# 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**

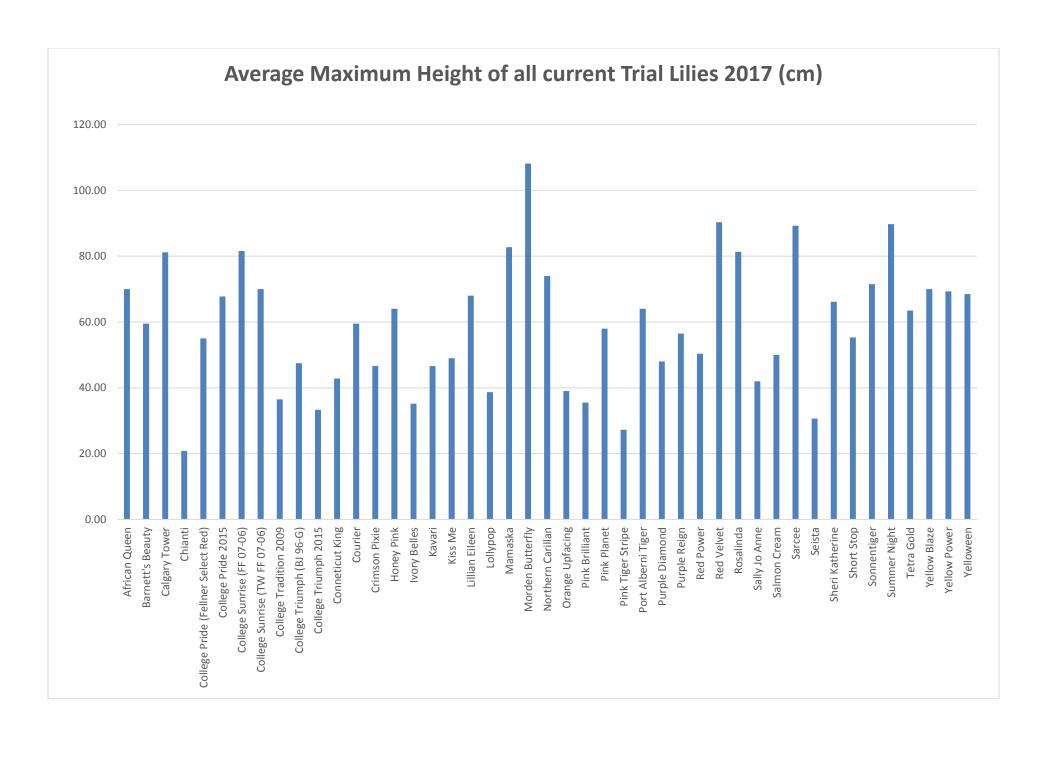
2017 Average bloom dates and duration for current lilies in plots

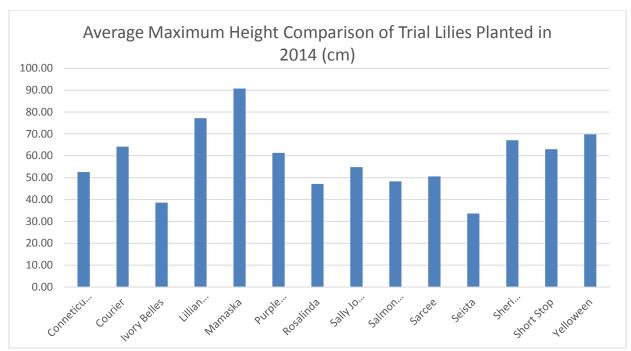
# **Depth Tested Lilies**

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

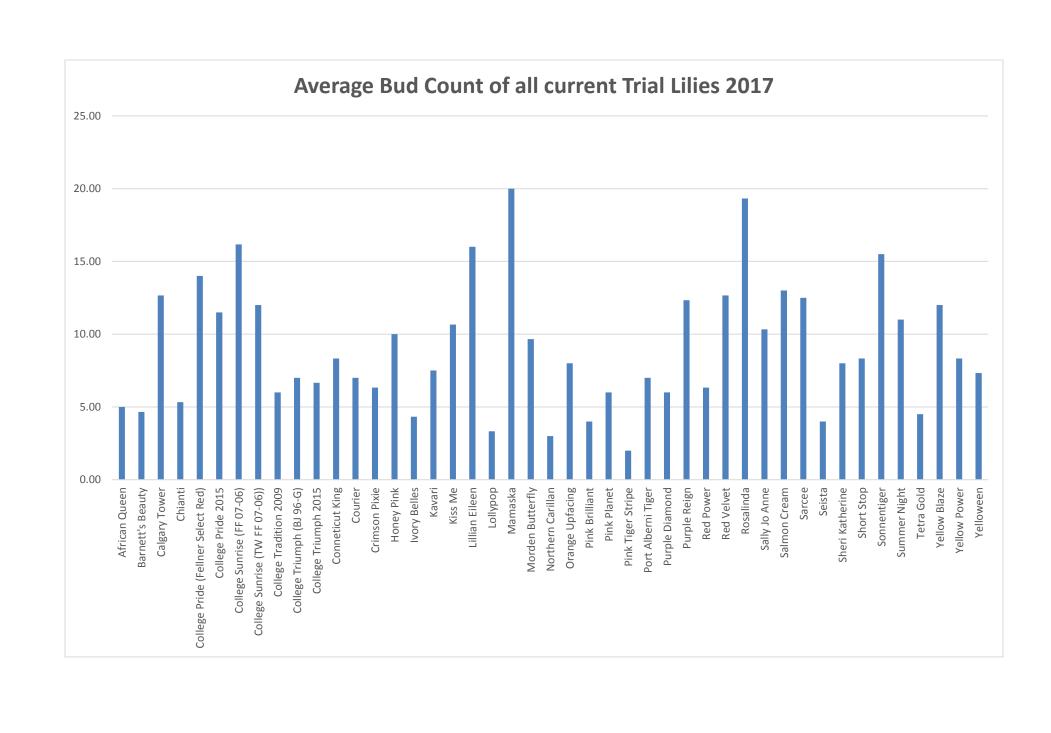
#### Notes:

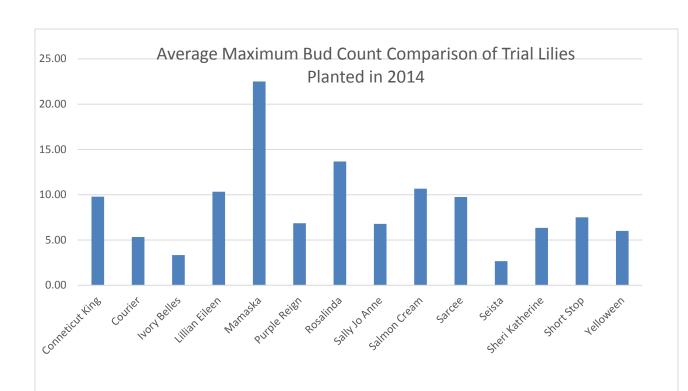
- Other than the depth test lilies, no new trial lilies were planted in 2016.
- All measurements and counts are made on the tallest single stem of each plant.





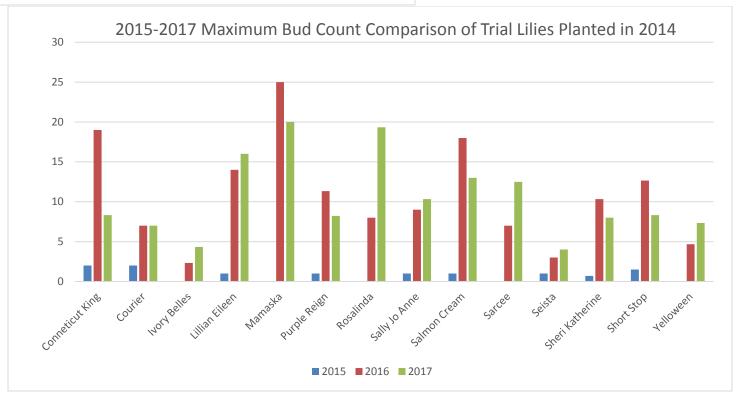


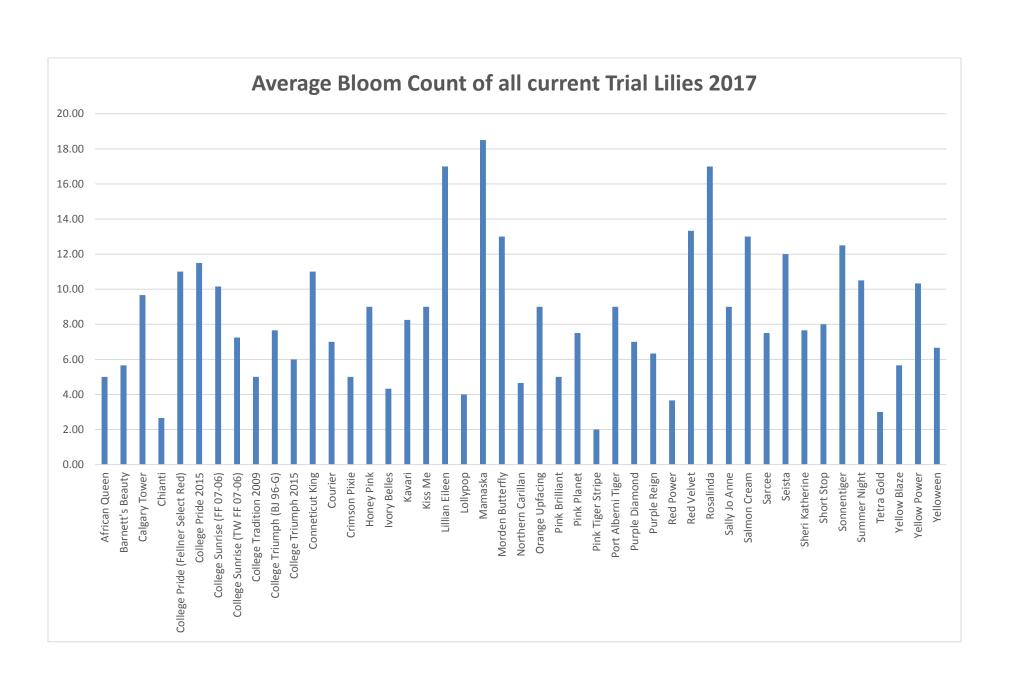


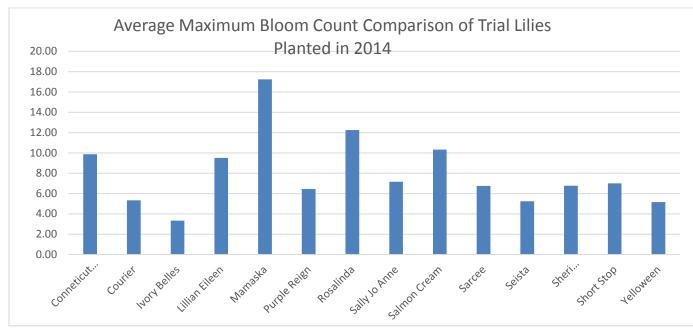


### NOTE:

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.

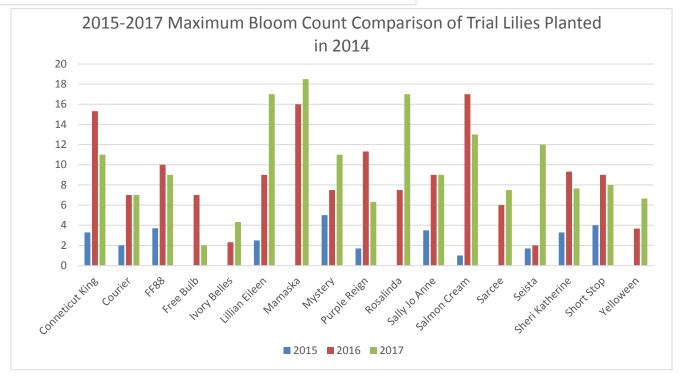


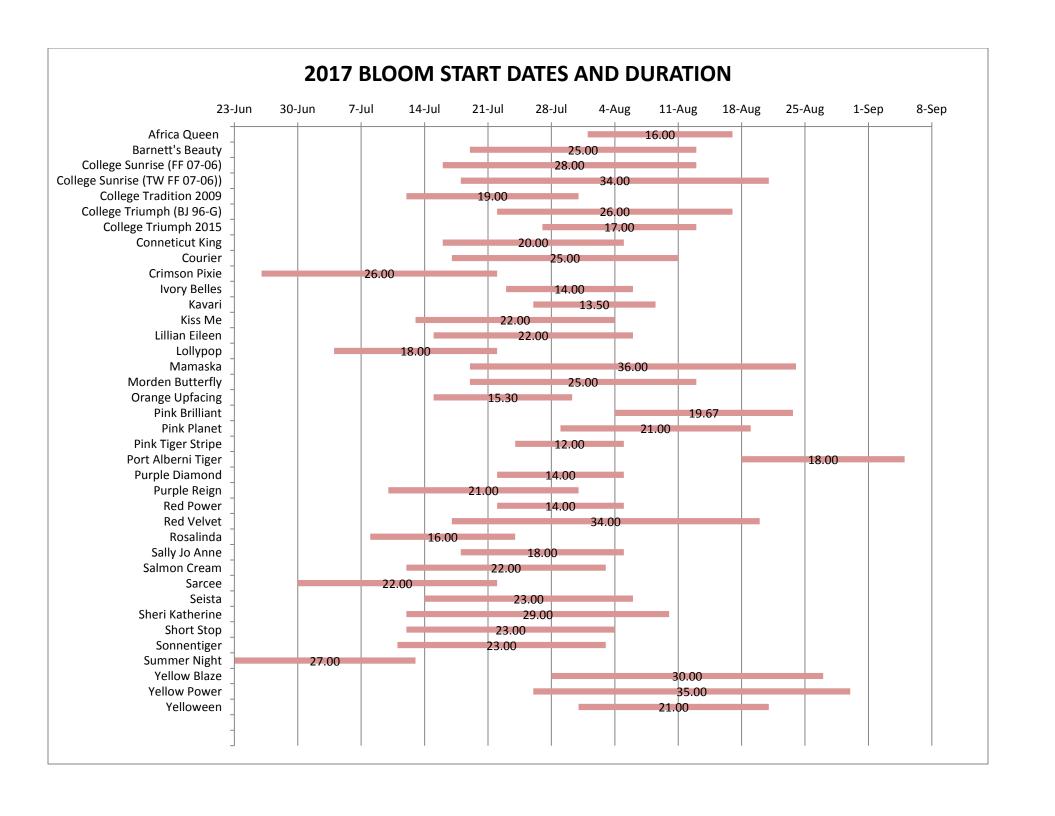


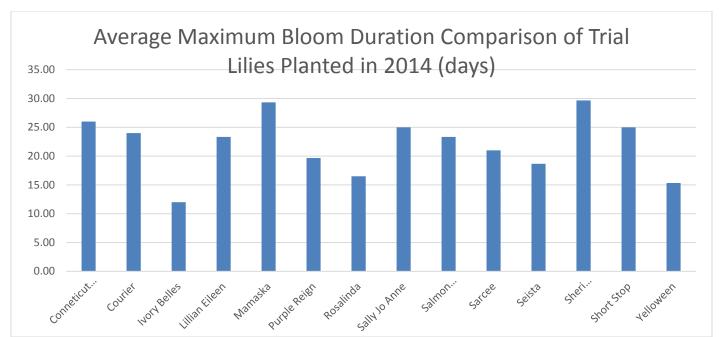


#### NOTE:

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.

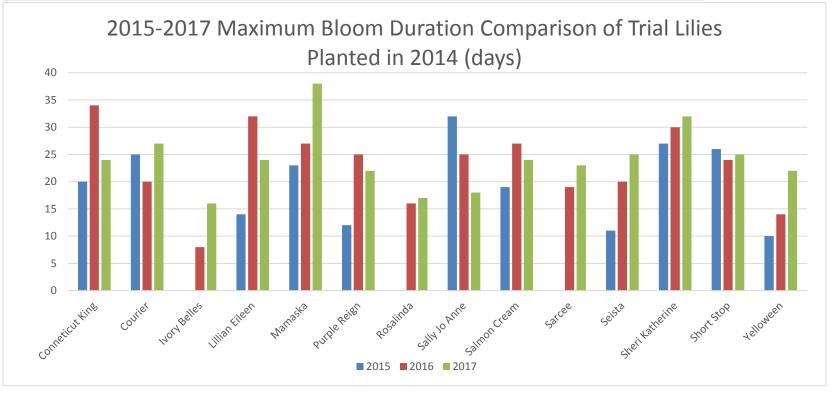






#### Note:

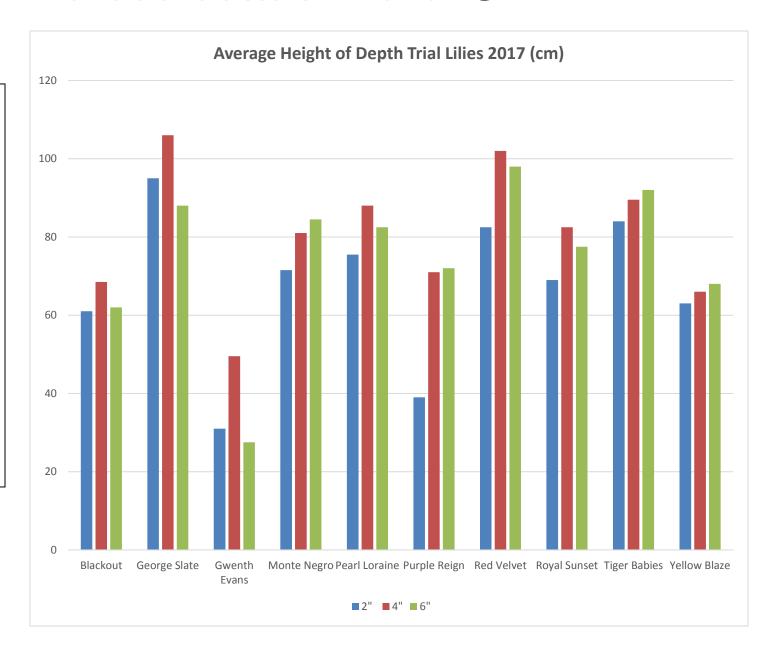
The chart indicating length of bloom, and start and end time of bloom is of particular interest to gardeners. If they are looking for a long-blooming lily this will give them that information. And if they are looking to achieve lilies in bloom throughout as much of the season as possible, this chart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



# **DEPTH TRIAL LILIES**

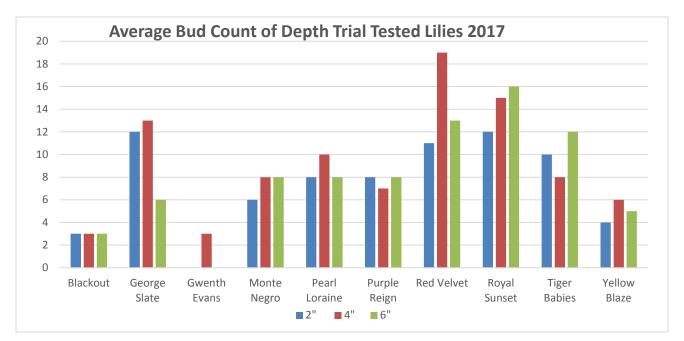
#### Note:

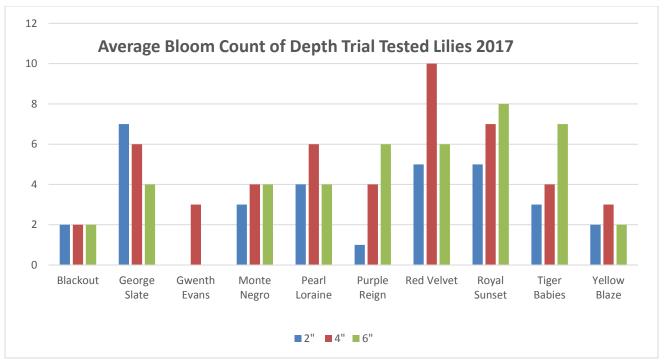
Ten lilies were planted at three separate heights; two inches, four inches and six inches. Commonly six inches of soil depth is used when planting lily bulbs. This trial attempted to explore the lily bulbs ability to adjust to different soil depths. Gwenyth Evans, Pearl Lorraine and Red Velvet had trouble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