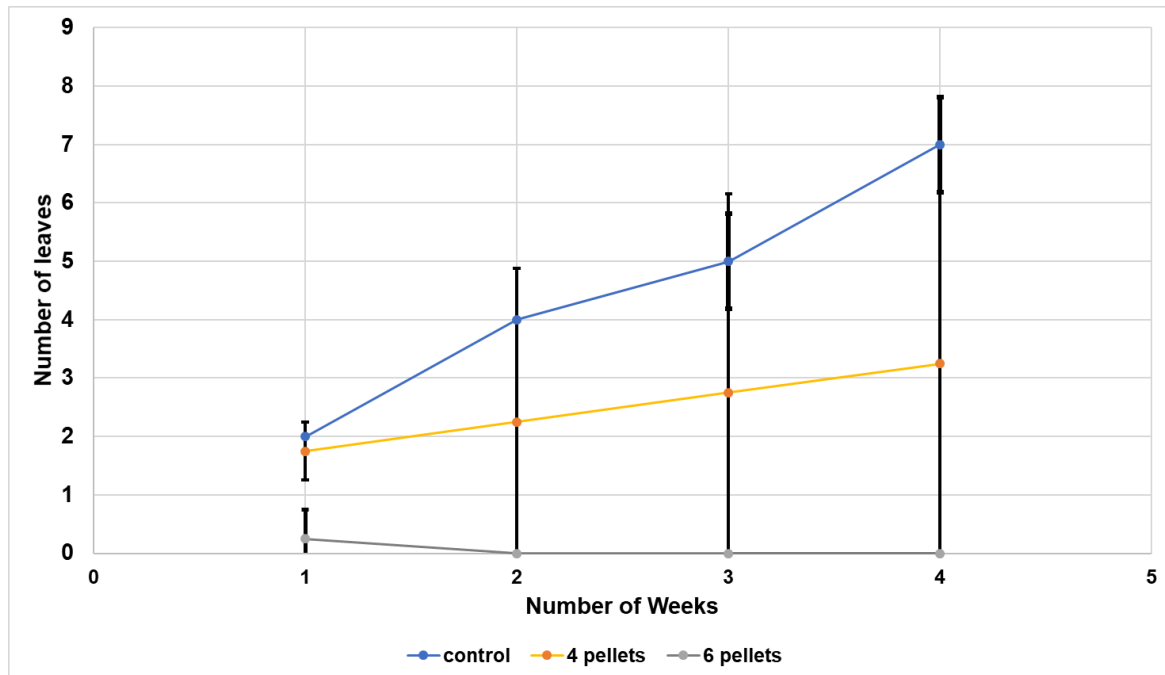


## Results

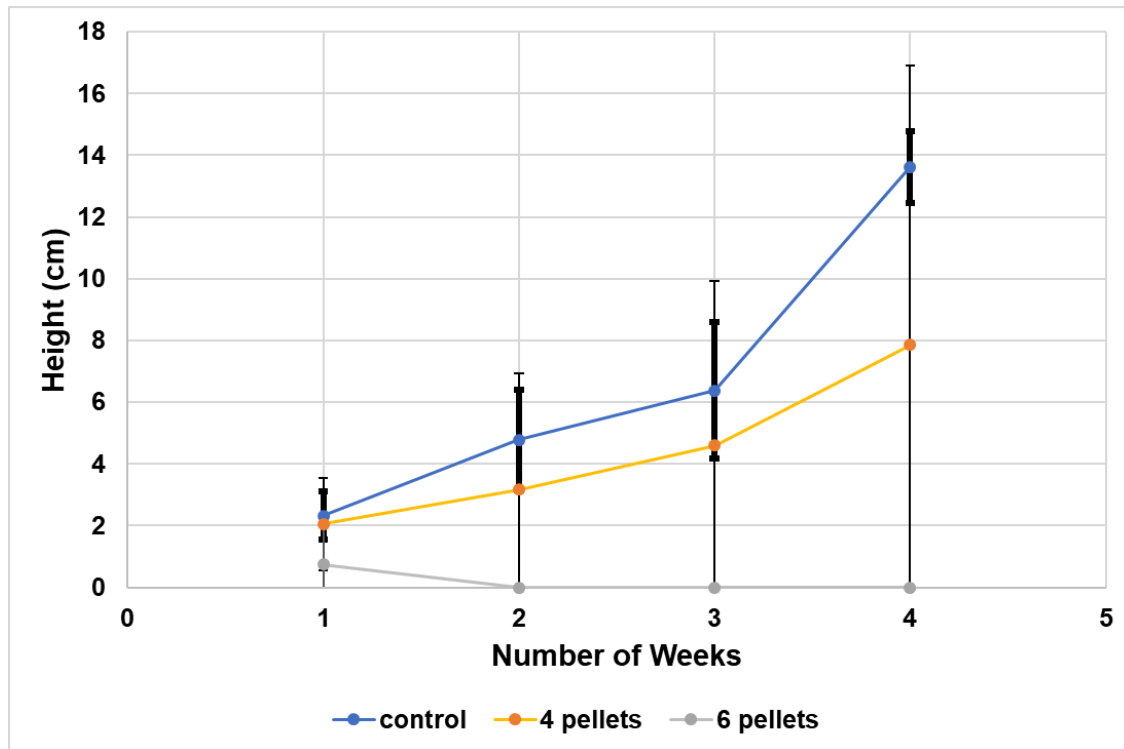
For four weeks a group of Wisconsin Fast plants were examined and analyzed on how the amount of fertilizer affects the plants. The plants were examined for average height, color and average number of leaves. The data varied from each of the plants.

The average number of leaves varied from each of the control, four fertilizer and six fertilizer growing boxes. Six fertilizer pellets did not produce any plants, except for the first week then it died, four fertilizer pellets only produced two plants and the control produced four plants. The average number of leaves produced by the control for weeks one through four were 2, 4, 5 and 7. For the four fertilizer plants the average number of leaves produced for weeks one through four was 1.75, 2.25, 2.75, and 3.25. For the six fertilizer plants the average number of leaves produced for weeks one through four was 1.5, 0, 0, and 0. (Fig 1). The average height in centimeters was considered for each of the four weeks. For the control the average height for the four weeks was 2.325, 4.775, 6.375, and 13.625. For the 4 pellet plants the average heights were 2.05, 3.175, 4.6 and 7.85. Lastly, the 6 pellet plants average heights were .25, 0, 0, and 0. (Fig 2). The reason why there was no data for the six pellet plants was because one of the plants died and the others did not grow. The last variable that was measured was the color of the plants. The globe plant color guide was used to measure the color of the plants. For the control plant colors varied from a light green yellow to a darker green yellow. For the four pellet plants the colors were all green yellow. Lastly, for the 6 pellet plants there was no color present. (Table 1).

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**Figure 1. Average number of leaves found on Wisconsin Fast Plants after changing the amount of fertilizer.** Data shown is the average number of leaves found in the control, 4 fertilizer, and 6 fertilizer growing boxes found per week for four weeks. More leaves were found on the four pellet plants than the control and six pellet plants. The dots on the line graph show the average number of leaves for each week and the error bars show the standard deviation.



**Figure 2. The average height of Wisconsin Fast plants after changing the amount of fertilizer.** Data shown is the average height of Wisconsin Fast plants found in the control, 4 fertilizer, and 6 fertilizer pellet growing boxes. The average height was recorded over four weeks. Average height was higher on the control than the 4 and 6 pellet boxes. The 6-fertilizer box grew no plants to collect data from. The dots on the line graph show the average height for each week and the error bars show the standard deviation.

**Table 1. The coloration of Wisconsin Fast plants after changing the amount of fertilizer.** Week and number of fertilizer pellets is shown. Data shows the average color of the plants in the control, 4 and 6 pellet growing boxes. The color of the plants for the control fluctuated from a light green yellow to a green yellow. The 4 fertilizer plants stayed the same color throughout the experiment. The 6-fertilizer box grew no plants to show data for.

	Control (2 fertilizer)	4 fertilizer	6 fertilizer
Week 1	Green-Yellow	Green-Yellow	No color
Week 2	Darker Green Yellow and Green Yellow	Green Yellow	No color
Week 3	Light Green-Yellow and Green Yellow	Green Yellow	No color
Week 4	Light Green Yellow	Green Yellow	No color

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