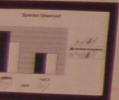


Amount of
between
yards?



Does the Presence of Water Effect the Birds in a Backyard?

Abstract

The conclusion in this experiment was that the presence of water in a backyard significantly affects the number and diversity of birds. This was observed by comparing the bird counts in Charm's Yard (with a pool) and Christina's Yard (without a pool) over a period of 14 days. The data shows that Charm's Yard consistently had a higher number of birds and a greater variety of species compared to Christina's Yard.

Hypotheses

It was hypothesized that the presence of water in a backyard would attract a higher number of birds and a greater diversity of species. This was based on the understanding that water is a critical resource for birds, especially in arid environments. The hypothesis was that Charm's Yard, which features a swimming pool, would serve as a water source and attract more birds than Christina's Yard, which lacks a water feature.

Conclusion

The experiment was designed to determine if the presence of water in a backyard affects the number and diversity of birds. The data collected over 14 days shows that Charm's Yard, which has a swimming pool, consistently had a higher number of birds and a greater diversity of species compared to Christina's Yard, which does not have a water feature. This supports the hypothesis that water in a backyard attracts more birds and a wider variety of species.

Procedure

To ensure the data collected for this experiment was accurate, several steps were followed. First, the location of the bird counts was established. Charm's Yard was divided into four quadrants, and Christina's Yard was divided into two quadrants. The bird counts were taken at the same time each day, and the same person was responsible for counting the birds. The data was recorded in a notebook, and the results were compared at the end of each day.

Results



Count Number	Charm's	Christina's
1	1	0
2	2	0
3	3	0
4	4	0
5	5	0
6	6	0
7	7	0
8	8	0
9	9	0
10	10	0
11	11	0
12	12	0
13	13	0
14	14	0
Mean Count	7.000000	0.000000
Standard Deviation	3.741657	0.000000

Number of Birds	Charm's	Christina's
1	1	0
2	2	0
3	3	0
4	4	0
5	5	0
6	6	0
7	7	0
8	8	0
9	9	0
10	10	0
11	11	0
12	12	0
13	13	0
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9	9	0
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11	11	0
12	12	0
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