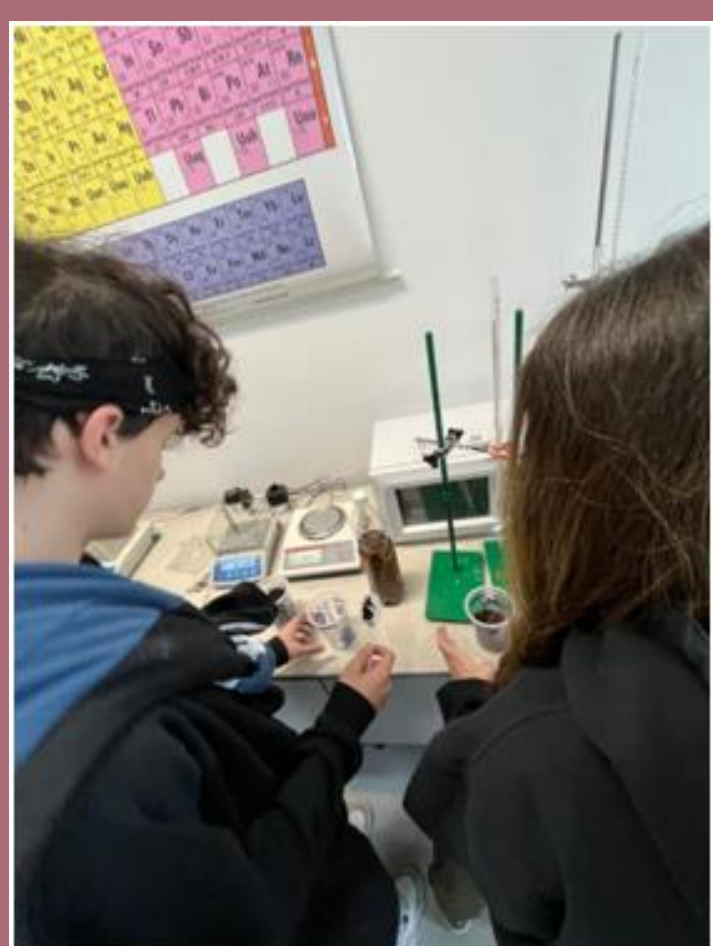


Effects of Natural fertilizers on the growth of wheat

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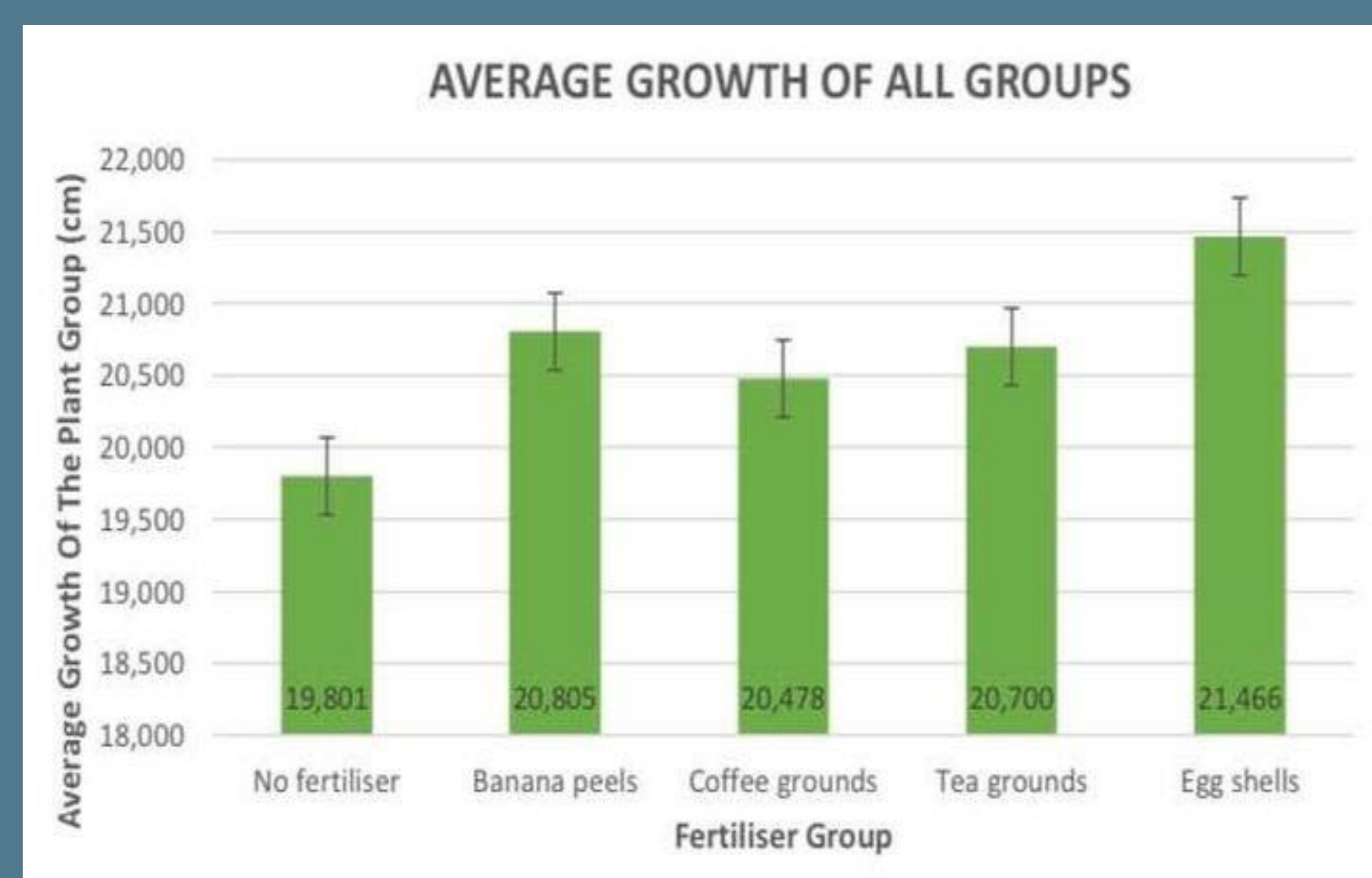
Introduction

The experiment investigating the effects of the use of natural fertilisers on the growth of wheat was conducted in response to scientists trying to help solve world hunger, as wheat is a common food ingredient and researching its growth is important for increasing the efficiency of food production (SDG 2- End World Hunger) production, and also to help prevent climate change, as natural fertilizer require less energy and money to make, which makes them more environmentally friendly than artificial ones (SDG 13-Climate Action).



Results

Based on the calculated average lengths of the vines in the five trials (control, banana fertilizer, eggshell fertilizer, coffee grounds, tea grounds) it can be observed that the egg shell- fertilized sample yields the best results. From each plant, we took into account the average and in which turned out to be contrary to our hypothesis:



Method

Four different independent variables, that being the natural fertilizers, were used- an extract from banana peels and an extract from egg shells, which were prepared by cutting the shells/peels into pieces, putting them into a 1L jar filled halfway with boiling water and leaving them in a dark place for 1 day and then filled with 500 ml of non-boiled water. As well as tea grounds and coffee grounds, which were spilled into the flowerpot with a small amount of water to make the grounds humid. 100g of soil had to be put into each cup. For the following 3 weeks, each cup had been watered every day. Finally, the specimens were e taken out of the cups by the roots and had their growth measured.

Conclusion

Natural fertilizers, especially egg shells, are efficient and environment-friendly enough to justify using them to grow wheat for those in need and help stop world hunger, all the while limiting the impact of such harvests on the climate.

