

# Phosphate in soil and the effect on barley production

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## Abstract

*The summary should contain a summary of the problem that you are working with, which results you got, as well as main conclusions.*

*Don't get into technical details. The summary should not be very long*

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## 1 Introduction

*Briefly introduce the background and setting of the problem, as well as the aim of the report. Furthermore, you could give a very short description of the analysis that will be applied.*

The world is overpopulating. The population has grown exponentially over time while the surface of earth has naturally stayed constant. People have ever increasing problems with having enough space, both for living and agriculture. The latter will undoubtedly lead to huge agricultural problems, especially underproduction. One way to solve this issue could be to get a larger amount of cultivated land, which is not a good long term solution as the population grows and the skirmish for proper households becomes ever tougher. The other option is to get more bang for your buck, or in other terms, getting a bigger yield from the same amount of land. There are many different ways of accomplishing this, but one would be to make sure to have large amounts of unbounded phosphate in the soil of the farmland, as this is a necessary nutrient for plant growth.

## 2 Data

*Describe of the data you are analyzing. What kinds of data do you have, how were they collected (if applicable)?*

*Include a few good plots to highlight important features in data. You can put additional plots in the appendix.*

## 3 Methods

*Describe the methods you used and why you decided to use them. Also discuss the assumptions behind the methods. Do not go into detail with theory.*

## 4 Results

*Present the results.*

*Tables and figures are good ways of illustrating results.*

## 5 Discussion

*What do your results show?*

*Discuss your results. How reliable are they?*

## 6 Conclusion

*What are your conclusions? The conclusion should be connected to the aim of the report in the introduction.*

*Highlight important results*

*If you have found interesting problems/aspects that you haven't carried out, you can specify them here as 'future work'.*

## 7 Appendix