Maximizing of crop yield with the best revenue of using nitrogen fertilizer and inoculation of seed with bacteria in sustainable agricultural systems in soybean (Glycine max L.)

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Introduction

Split Plot Design


Results

The results showed that the use of nitrogen fertilizer and inoculation with Rhizobium japonicum significantly increased soybean yield and quality. The highest yield was achieved when the split plot design was used.

Discussion

The use of nitrogen fertilizer and inoculation with Rhizobium japonicum is a sustainable agricultural practice that maximizes crop yield and revenue. The split plot design was effective in comparing the effects of these practices on soybean growth and yield.

Conclusion

The study concluded that the use of nitrogen fertilizer and inoculation with Rhizobium japonicum is a promising sustainable agricultural practice for soybean production.