Evaluation of alfalfa (Medicago sativa) lines to salinity tolerance

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Medicago sativa is a leguminous plant widely grown for its forage and as a cover crop. It is known for its ability to tolerate salinity, which is crucial for its adaptation in regions with saline soils. The study aims to evaluate the tolerance of different lines of alfalfa to salinity conditions.

To determine the tolerance, various salinity levels were applied to different alfalfa lines. The tolerance was assessed based on growth parameters such as shoot dry weight, root dry weight, and leaf area. The results showed that some lines exhibited higher tolerance to salinity stress compared to others.

The findings indicate that alfalfa could be a promising species for saline environments, which is significant for agricultural practices in such regions. Further research is needed to identify specific lines with high tolerance and understand the underlying mechanisms of salinity resistance in alfalfa.

*References:


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