## Effects of different light quality treatments on the growth of barley seedlings

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## Abstract

This study aims to explore the effects of different light quality on the growth of barley seedlings. After soaking barley seeds and accelerating germination, the growth indexes of barley seedlings were measured using different light quality treatments to obtain the best light cycle. The results showed that different light quality treatments had different effects on the growth of barley seedlings. Barley seedlings treated with 5R1B light quality had significant advantages in plant height, leaf area and fresh weight, while those treated with 3R3B light were inferior in plant height, leaf area and fresh weight. There was no significant difference in stem diameter and dry weight among light treatment groups.

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