

Sulfate germination test

seeds placed in buffer solution 9/9/13 seeds and germinates removed 9/20

buffer solutions exchanged 9/9, 9/13, 9/16, and 9/18

Buffer solution: 1/5 strength modified Hoagland's solution + 5 mM PIPES buffer + SO₄ treatment

400 ml Mason jars filled to 1 cm full and covered with plastic covers fitted with rubber stoppers to facilitate solution exchange

Two 5 mm holes were left unplugged to allow air exchange

50 seeds were counted to each of six numbered cups then transferred to randomly assigned mason jars

plants were removed after 11 days, counted, stem+leaf length measured and recorded, placed in drying tins, dried at 65C for 3 days, then weighed

Treatment

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