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# A smaller root system with enhanced biomass accumulation and transporter expression in Foxtail millet [*Setaria italica* (L.) Beauv.] under low nitrogen

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**F**oxtail Millet (FM) [*Setaria italica* (L.) Beauv.] is an important grain and forage crop well adapted to nutrient-poor soils. Studies related to its adaption to nutrient limitation are rare. How FM adapts to Low Nitrogen (LN) at the morphological, physiological, and molecular levels remains worth studying and to date little is known about that. Seedlings of foxtail millet

were germinated on filter paper and consistent seedlings were transferred to 25%, 50%, and full strength nutrient solution for 3d, 4d and 7d respectively. Seedlings were transferred to low nitrogen solution and grown for 7 days.

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