E3S Web of Conf.
Volume 365, 2023

IV International Scientific Conference "Construction Mechanics, Hydraulics and Water Passuress Engineering"

Water Resources Engineering" (CONMECHYDRO - 2022)

Article Number 04033 Number of page(s) 6

Section Mechanization, Electrification of Agriculture and

Renewable Energy Sources

DOI https://doi.org/10.1051/e3sconf/202336504033

Published online 30 January 2023

E3S Web of Conferences 365, 04033 (2023)

Experimental studies of pneumatic disc atomizer for low volume spraying

Burxon Utepov¹, Tuygun Khaydarov¹, Nurmamat Rajabov^{1*}, Gulnoza Murtazayeva¹, Bakhtiyor Tulaganov¹ and Mirzoolim Avliyakulov²

¹ "Tashkent Institute of Irrigation and Agricultural Mechanization Engineers" National Research University, Tashkent, 100000, Uzbekistan

² Cotton Breeding, Seed Production and Agrotechnologies Research Institute (CBSPARI), Tashkent, 111202, Uzbekistan

E3S Web of Conf. Volume 365, 2023

IV International Scientific Conference "Construction Mechanics, Hydraulics and

Water Resources Engineering" (CONMECHYDRO - 2022)

Article Number 04018 Number of page(s) 5

Section Mechanization, Electrification of Agriculture and

Renewable Energy Sources

DOI https://doi.org/10.1051/e3sconf/202336504018

Published online 30 January 2023

E3S Web of Conferences 365, 04018 (2023)

Experimental studies of frequency of rotation of smooth rotating disk with coaxial-lateral air flow

Burxon Utepov¹, Tuygun Khaydarov¹, Nurmamat Rajabov^{1*}, Gulnoza Murtazayeva¹, Bakhtiyor Tulaganov¹ and Mirzoolim Avliyakulov²

¹ "Tashkent Institute of Irrigation and Agricultural Mechanization Engineers" National Research University, Tashkent, 100000, Uzbekistan

² Cotton Breeding, Seed Production and Agrotechnologies Research Institute (CBSPARI), Tashkent, 111202, Uzbekistan