

Jackfruit seeds and its physical properties

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■ **ABSTRACT** : The physical properties of jack fruit seed are essential for the design and facilities for the harvesting handling conveying, separation, drying, aeration, storing, and processing. Various types of cleaning, grading and separation equipments are designed on the basis of their physical properties. The length came between 22.06 mm to 35.68 mm. whereas the width was ranged between 10.66 mm to 21.78 mm. The thickness was in between 8.72 mm to 16.50 mm. The arithmetic mean diameter of jackfruit seed were ranging from 15.02 mm to 23.80 mm. The geometric mean diameter was 13.30 mm to 22.61 mm and the sphericity was found between 0.53 to 0.73. The jackfruit seed showed bulk density as 0.49 g/ml³. Whereas the true density was lying between 1.02 g/ml³ to 1.59 g/ml³, while porosity came as 50.27 to 69.17 per cent.

■ **KEY WORDS** : Jack fruit seed, Physical properties, Length, width, Thickness, Arithmetic mean diameter, Geometric mean diameter, Sphericity, Bulk density, True density, Porosity

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