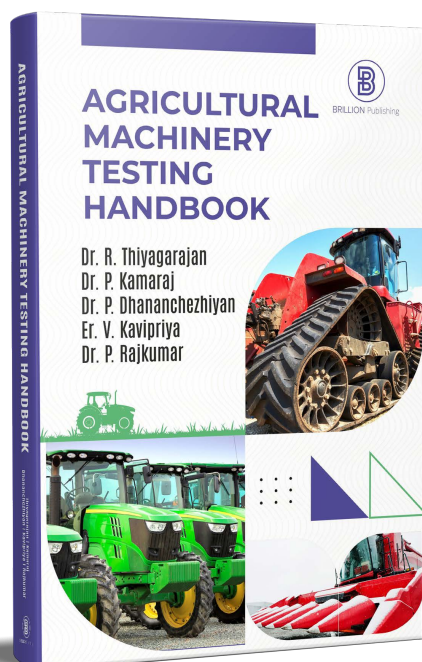




AGRICULTURAL MACHINERY TESTING HANDBOOK



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The *Agricultural Machinery Testing Handbook* serves as a comprehensive guide for evaluating the performance, efficiency, and safety of agricultural equipment. This handbook is essential for researchers, engineers, manufacturers, policymakers, students and farmers who seek reliable methods for testing and standardizing farm machinery.

Covering a wide range of agricultural equipment—particularly testing of tractor attachments including tillage implements like primary and secondary tillage implements, manual seeder, seed drills, planters, chaff cutter, thresher etc.- the handbook also provides standardized procedures for laboratory and field testing. It emphasizes the importance of accuracy, repeatability, and reproducibility in performance assessments, ensuring that machinery meets national and international standards.

Key sections include standard procedures for testing the farm machines, tables for data collection, standards for three points hitching etc. It also covers fuel efficiency, field efficiency, durability, ease of operation, wear analysis, data calculating and measuring procedures. The handbook is designed to support the agricultural sector by providing insights by establishing uniform testing criteria, it aids regulatory bodies in certifying machinery, assists manufacturers in improving product quality, and helps farmers make informed decisions about equipment investments.

With detailed illustrations, and best practices, the *Agricultural Machinery Testing Handbook* is a valuable resource for advancing mechanization and ensuring that farm machinery is efficient, safe, and environmentally sustainable.

**Dr. R. Thiagarajan | Dr. P. Kamaraj | Dr. P. Dhananchezhian
Er. V. Kavipriya | Dr. P. Rajkumar**

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