

INDIGENOUS DEVELOPMENT OF SEED COUNTER

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Received December 4, 2007 and Accepted January 22, 2008

ABSTRACT : The seed counters are useful instrument for conducting field plot machinery experiments, for designing and formulating the various experiments related to seed drills, in plant breeding, seed production. The seed counters are urgently needed by the bio-scientists. The seed counters are available world over but these are extremely expensive and beyond the reach of many organizations for import. A viable seed sorter is not yet available. Additionally the problem persists of the spare parts and its repair and maintenance in India. In the first attempt indigenous counters were developed at CiAE based on the specific needs of the bio-scientist at a very low cost with high accuracy in counting. The experiment was conducted on wheat and gram seeds. It was found from the experiment that the average accuracy of indigenous seed counter (99.2%) was more than that of numigral seed counter (99.0%).

Key Words : Counter, seed, indigenous, accuracy.