

SORTING OF VIABLE SEEDS FROM THE ADMIXTURE OF SEEDS

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ABSTRACT : Seed is one of the important input for crop production. If seeds are not examined before sowing it carry diseases and pests and infections to the soil and crop yield is reduced 3 to 63%. By using the general commercial methods of seed cleaning and grading nearly 90% seed cleaning is obtained. However last 10% is most dangerous for pathological and other pest infections. A viable seed sorting machine was developed based on high voltage d.c. charge method. Charging by the machine (20-30 kV d.c.) the seed germination increases and soybean seed sample of 60% average germination can be sorted to extend of 90-97% germination level.

Key Words: Viable seed sorter, high voltage d.c. charge method, soybean, germination.