

Status and the adoption extent of farmers in use of farm machinery, implements/equipments

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ABSTRACT : Mechanization of agriculture should not only be guided by the goal of higher returns to the farmers and to the Industry, but also by its contribution to the balanced agricultural development of the different regions / areas having diverse socio-economic and agro-climatic conditions. Keeping in view the facts mentioned above status level and adoption in agriculture farm mechanization, a study was conducted in Etawah district. The common tendency of about 80% farmers surveyed was to hire plant protection equipments from their neighbors as their requirement. The number of bullock drawn 3-tyne cultivator (locally called tifara) was found in considerable numbers about 90% farmers owned this implements. The disc harrow which is one of the most important secondary tillage implements was also owned by 96.5 % of tractor owner farmers. The number of seed cum ferti-drill varied from 3.2 to 8.3 per 1000 ha in surveyed blocks. The adoption of power operated thresher was generally by tractor owners. The paddy thresher, rice hullers cane crushers, winnowers, etc. Majority of respondents (63.21%) were adopting the use of transportation and power system and ranked as 1st followed by improved soil tillage cultivating machinery implements/equipments (28.00%, rank 2nd) improved threshing, shelling, crushing and milling machinery, equipments (09.43%, rank 3rd), improved harvesting and digging machinery, implements (05.66%, rank 4th), improved showing and planting machinery, implements/equipments (04.72%,rank 5th),improved plant protection equipments (03.77%,rank 6th), improved weeding intercultural operations implements, equipments (02.83%, rank 7th) and improved ridge making & bunding implements (01.89%,rank 8th).

Key Words : Adoption extent, farm machinery, mechanization, implements.