

Prioritizing the rice transplanters in Guilan Province and analyzing the user's technical skills

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The agricultural sector needs a quick transition the livelihoods production to the industrial and commercial production stage to fulfill its missions, including providing food security to the community and playing an effective role in strengthening national independence. On the other hand, mechanization is an approach that achieves the agricultural sector for the industrial and commercial production stage. Therefore, it is necessary to develop it by adopting appropriate plans. Problems with the development of agricultural mechanization are the lack of technical skills of agricultural machinery users. For planning in this area, it is imperative to define such issues as the definition of mechanization, the process and the prioritization of the technical skills of the users. The research is descriptive and applied in a descriptive and surveyed. To collect data, a questionnaire, interview, and field observations were used. The statistical sample in this study was 15 experts in the field of agricultural machinery. Prioritizing rice cultivated machines in Guilan province and analyzing technical skills of users considered as the main objective of the research. Based on the results of this study, 4-rowed Dai Dong Trans planter with a weight of 194 and an inconsistency of 0.5 was the first choice among respondents. Kubota 4Row and 6-rowed Dai Dong mounted respectively with weight of 0.167 and 0.154 and the incompatibility coefficient of 0.05 was ranked second and third. Also, 4-rowed Tung Yang ranked last.

Keywords : Mechanization, Agricultural Machinery, Technical Skills, Rice Transplanter, Prioritization

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