Abstract:

The management parameters affecting wheat harvesting losses at the Rahad Agricultural Scheme were studied. These parameters included administrative supervision, weed infestation, plant density and presence of bunds. Ten field farms from each of the three "groups" of the scheme were used for collecting data for each management parameters using stratified sampling technique. The data were collected in 1996/97 season on the effect of management parameters on preharvest losses, machine losses (processing and header) and total losses.

The results indicated that the absence of close field supervision had a highly significant (P£0.01) effect on header losses, total machine losses and total harvest losses, and a significant (P£0.05) effect on processing losses. The results also showed a highly significant (P£0.01) increase of processing losses, due to weed infestation and variation in plant density, while the presence of field bunds had highly significant (P£0.01) effect on header losses.