Yield, quality and economics of fodder oat varieties in response to sowing windows

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ABSTRACT

A field experiment was conducted during *rabi*, 2024-25 on sandy loam soils of dryland farm of S.V. Agricultural College, Tirupati of Acharya N.G. Ranga Agricultural University. The treatments details include three varieties viz., V_1: RO-11-1, V_2: OS-403 and V_3: OS-6 with five sowing windows viz., S_1: October I FN, S_2: October II FN, S_3: November I FN, S_4: November II FN and S_5: December I FN. The experiment was laid in the randomized block design with factorial concept and replicated thrice. The results of the experiment revealed that variety RO-11-1 sown during November II FN recorded significantly higher green fodder (18104 kg ha^{-1}) and dry fodder yield (4735 kg ha^{-1}). In terms of quality parameters, crude protein content (8.51%) was higher with the variety RO-11-1 sown during November II FN while lowest crude fibre (25.12%) and total ash content (8.73%) recorded with RO-11-1 sown during November I FN, indicates good quality fodder comparable with November II FN. High net monetary returns (43889 Rs ha^{-1}) was registered with RO-11-1 sown during November II FN.

Keywords:*Fodder oat, Quality parameters, Sowing windows and Economics*