

indirect effect through days to 50% flowering, ear head length and seed set per cent. Days to 50% flowering and anthesis had positive indirect effect through plant height, but a negative indirect impact through ear head length and seed set per cent. The seed set per cent had indirect but positive impact through days to 50% flowering and ear head length. Similarly, positive indirect effect of ear head length was observed through days to 50% flowering and seed set per cent.

Overall, on the basis of average seed set per cent, reduction in seed set and grain yield it can be concluded that hybrids performed relatively better than population. Though hybrids are the most suited type of cultivars, considering the increasing cost of hybrid seed production some high yielding population (like CZP 9603) that are suitable for local conditions could provide the farmers with a sustainable alternative, specifically in the arid regions.

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