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RESEARCH ARTICLE

Character association and path co-efficient analysis in *Kharif* onion (*Allium cepa* L.) genotypes

■ AKANKSHA SHARMA, SHIV CHANDRAKAR AND DINESH KUMAR THAKUR

SUMMARY

Correlation and path co-efficient analysis for bulb yield and its components were estimated in 28 genotypes of *Kharif* onion (*Allium cepa* L.) along with a check *i.e.* Agrifound Dark Red. The studies indicated that out of 11 characters, total yield (t/ha) showed positive and significant association with plant height, number of leaves/plant, collar height, collar girth, leaf length, equatorial diameter of bulb, average weight of bulb and marketable bulb yield indicating that an intense selection for these characters improve bulb yield in onion. Path co-efficient analysis revealed that marketable bulb yield, average weight of bulb, number of leaves/plant, collar height and leaf length showed positive direct effect on total yield, whereas plant height, collar girth and equatorial diameter of bulb showed positive indirect effect on total yield *via* marketable bulb yield.

Key Words : Onion, Correlation, Path co-efficient analysis

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