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The paper deals with the stabilization of a seasonal torrent (choe) located at Rel Majra (Punjab) through vegetative means. Relative aerial and below ground phytomass and soil binding capacity of Arundo donax Linn., Saccharum spontaneum Linn and Saccharum munia Roxb, have been compared. Soil consisted of freshly deposited unconsolidated sand with poor organic carbon and variable amounts of available phosphorus and potassium. A.donax in upper 0-10 cm soil depth and S.spontaneum in lower 10-45 cm layers produced highest underground phytomass. Minimum root phytomass of A.donax was analysed in all the layers studied. Maximum rooting depth varied from 92 to 114 cm in the torrent bed. S.spontaneum has maximum soil binding in the upper 0-10 cm whereas S.munia was a better binder for the lower layers. A. donax produced least aerial phytomass which, of course. was spatially more uniformly distributed.