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摘要: 应用多元统计方法,分析了黄淮海地区73份夏大豆农艺性状与产量之间的关系。结果表明:影响夏大豆产量的主要农艺性状因品种结荚习性的不同而有所差异。在亚有限型大豆品种中,每荚粒数、单株荚数、株高和单株粒重对产量的直接作用较大;在有限型大豆品种中,单株粒数、生育期、茎粗和株高对产量的直接作用较大。在品种选育上,对于亚有限型大豆品种,应优先选择单株粒重较高的单株,尤其是注重多荚和多粒性状的选择;对于有限型大豆品种,应选择生育期与单株粒重间平衡较好的单株,能充分发挥高产潜力。

Abstract: Multiple statistic methods were used to analyze relationship between agronomic traits and yield of 73 summer sowing soybean (Glycine max(L.) Merr.) in Huanghuai river area. Results showed that major agronomic traits involved affecting yield of summer soybean are different due to different stem termination. In semi-determinate soybean varieties, agronomic traits which can directly and largely affect yield are seed number per pod, pod number per plant, plant height and seed weight per plant. While seed number per plant, growth duration, stem diameter and plant height act directly on yield in determinate soybean varieties. When breeding variety, it is prior to choose single plant that seed weight per plant is higher, especially to choose traits of more pod and seed in semi-determinate soybean varieties. And in determinate soybean varieties, it is should choose single plant that can balance the growth duration with seed weight per plant, which can exhibit high yield potential.

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