عنوان مقاله:
Investigation and comparison of sweet corn hybrids yield after rice harvesting

محل انتشار:
ماهانه پیشرفت های کشاورزی (سال: 1:5)

تعداد صفحات اصل مقاله: 6 صفحه

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خلاصه مقاله:
In order to investigation and compare of kernel and other traits of eight sweet corn hybrids with conventional sweet corn (SC۳۰۴) an expriment was conducted in randomized compelet block design at the Agricultural and Natural Resources Research Center of Mazandran, Qarakheil, Qaemshahr, Iran in ۹۰۰۲-۷۰۰۲ (three years) after rice harvesting (August). Each hybrid was planted in four rows. Each row included ۳plants at ۲cm distance from each others. Harvesting was done in two middle rows. After harvesting, kernel yield for each hybrid determined. analysis of variance and mean comparison were done. The result in three years showed that higher kernel yields were resulted from hybrids BASIN and POWER HOUSE with ۷.۶۶ and ۷.۱۳ t/ha respectively. these hybrids had higher yield than the check (SC۳۰۴) with ۵.۱۱ t/ha and there was significant difference at 0%level between check and these hybrids according to Duncan's Multiple Range Test. EX۶۳۳۶۱۷۸۰ Had higher kernel yield than the check (SC۳۰۴) but this hybrid had not significant difference at 0% level. Hybrids CHALLENGER with ۴۳.۵ t/ha, HARVEST GOLD with ۶۱.۵ t/h, OBSSSESSION with ۰.۱۲ t/h, CHASE with ۳۳۳۴ t/h and TEMPTATION with ۸.۸ t/h had lower kernel yields than check. HARVEST GOLD, POWER HOUSE and BASIN had Higher forage yeild with ۸۵.۰۵, ۹۹.۰۵ and ۱۷.۸۴ t/ha respectively but these hybrids had not significant difference at 0%level in compare of SC۳۰۴ with ۹۲.۹۴ t/ha forage yield. Correlation between measuremented traits was showed that kernel yield have positive correlation with forage yield (%۶۷), kernel row number (%۶۵), kernel in row (%۶۳) and ear diameter (%۶۶). Kernel yield had negative correlation with cob diameter (-%۶۵). Forage yield also had positive correlation with plant height (%۶۷), ear hight(%۶۱), kernel row number (%۶۶), kernel in row (%۶۴) and ear diameter (%۷۴). Forage yield had negative correlation with cob diameter (-%۶۵).

کلمات کلیدی:
Forage Kernel yield Second crop Sweet corn

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