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[1]张群,王小春,杨峰,等.玉米品种和大豆播期对冬油菜收获后玉豆带状复合体系产量和效益的影响[J].大豆科学,2014,33(03):334-339.[doi:10.11861/j.issn.1000-9841.2014.03.0334]
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玉米品种和大豆播期对冬油菜收获后玉豆带状复合体系产量和效益的影响

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摘要: 选择3个不同玉米品种(登海605、川单418、成单30)和3个不同大豆播期(5月20日、6月5日、6月20日),通过单因素试验研究了我国西南丘陵地区油菜收获后接茬玉米大豆带状复合种植模式的群体结构与产量表现。结果表明:3个不同玉米品种与大豆复种,株型较紧凑的玉米品种(登海605)产量最高,达到8 788.50 kg·hm⁻²,且该品种搭配下大豆生长带透光率显著高于其他处理,大豆农艺性状各指标表现较优,产量达1 371.05 kg·hm⁻²,玉米和大豆群体产量显著高于其他处理。6月5日播种的大豆,营养生长和生殖生长协调发展,产量高于其他两个播期,且群体产出最高,达到27 561.00元·hm⁻²。西南丘陵地区冬油菜收获后玉米大豆带状复合种植技术组合为:选择株型较紧凑、生育期短的玉米品种,大豆播期为6月5日左右。

Abstract: Field experiments with three maize varieties(Denghai 605, Chuandan 418 and Chengdan 30) and three soybean seeding date(May 20, June 5 and June 20) were conducted. The results demonstrated that Denghai 605 had the highest yield which has the character of compact plant type, and the transmittance of soybean row was significantly higher and the indexes of agronomic characters were better than other treatments, the yield of soybean was 1 371.05 kg·ha⁻¹ and population yield of maize and soybean was the highest. The vegetative and reproductive growth of soybean which was sown on June 5 developed coordinately and the yield was the highest. The disposition technology combination of temporal and spatial of maize soybean relay planting system after winter rape harvest in hilly area of southwestern China when maize has the character of compact plant type and short growth period, and soybean seeding date was about June 5, the total output was the highest which reached 27 561.00 yuan ha⁻¹.

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