

# **Effect of Soybean Maturity Groups on Soybean-wheat Double Cropping System in Mississippi. (C04-zhang164550-Oral)**

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## **Abstract:**

In order to investigate the effect of different soybean MGs on a double cropping system, experiments were conducted on a mixed-loam soil at Stoneville, Mississippi, from 1999 to 2001. Maturity groups ranging from late III to late V were involved. Results indicated that wheat planted in early to mid-October matured and was harvested in late May. Soybeans planted in late May was harvested in late September, early October, and late October for early, mid- and late- MG, respectively. Planting time of the second crop (soybean) was the key for the double-cropping production system. Average yield of all MGs for soybean in two years (data from one year was dropped) was over 45 bu/A. Though earlier maturity soybeans (late III and early VI) used in this system were profitable, the highest yielding groups came from middle maturity soybeans (late IV and early V). Late maturity soybeans had the yield potential, but also experienced unfavorable rain-fall, cold temperature, as well as delaying wheat and soybean planting the next season. Therefore, mid-MGs (MG late IV and early V) should be the best groups for this double-crop system in Mississippi.

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