毛豆最適收穫期與產量預估模式建立之研究

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摘　要：本試驗目的在探討春、夏、秋三期作之毛豆高雄選一號、高雄二號及高雄五號三個品種之最適收穫期，期建立毛豆產量預估模式。本計畫每期作分三次（提前、正常、延遲）種植於高雄區農業改良場試驗田。88年秋作分別於10月1日、10月15日、10月30日種植，試驗結果高雄二號及高雄五號均以10月1日種植之莢果產量最高，其最適收穫期分別為播種後70及73天，單株莢果產量分別為58.8及45.0公克，而高雄選一號則以10月15日種植之莢果產量最高，其最適收穫期為播種後73天，單株莢果產量為44.2公克。89年春作分別於1月15日、1月31日、2月15日種植，試驗結果高雄選一號及高雄五號均以2月15日種植之莢果產量最高，其最適收穫期分別為播種後81及84天，單株莢果產量分別為52.1及55.0公克，而高雄二號則以1月31日種植之莢果產量最高，其最適收穫期為播種後89天，單株莢果產量為72.9公克。89年夏作分別於6月1日、6月16日、7月1日種植，試驗結果正在分析中。

Towards a Model for Predicting the Optimal Harvesting Date and Pod Yield of Vegetable Soybean.

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Abstract: The experimental objective was to understand the optimal harvest date of three cultivars in three crops season, in order to establish yield model for vegetable soybean. The experiment was separated three planting dates (early, nomal, and late) every crop season. The experimental results were summarized as follow : In the fall crop season of 1999, Kaohsiung 2 and Kaohsiung 5 were higher yield on Oct. 1 planting, but Kaohsiung Sel. 1 was on Oct. 15 planting. The optimal harvest dates of Kaohsiung 2, Kaohsiung 5, and Kaohsiung Sel. were 70, 73 and 73 days after planting, which were 58.8, 45.0, and 44.2g of pod weight per plant, respectively. In the spring crop season of 2000, Kaohsiung Sel. 1 and Kaohsiung 5 were higher yield on Feb. 15 planting, but Kaohsiung 2 was on Jan. 31 planting. The optimal harvest dates of Kaohsiung Sel.1, Kaohsiung 5, and Kaohsiung 2 were 81, 84 and 89 days after planting, which were 52.1, 55.0, and 72.9g of pod weight per plant, respectively. The data of the summer crop season is analysed.