

〈 Summary 〉

Purpose& Contents	<p>This study was carried out to improve the overall quality of rice in Republic Korea by increasing the cultivation area of 13 recently developed top quality rice varieties. This study was conducted with Agricultural Research & Extension Services of the eight provinces.</p>				
Results	<p>New developed brand rice in each Provinces</p> <ul style="list-style-type: none"> - Gyeonggi-do : Haiami, Haessal, Baekhakssal - Gangwon-do : Achimechan - Chungbuk-do : Bockssal - Chunnam-do : Gallaryssal - Jeonbuk-do : Sukwang - Chungnam-do : Nockchamiin Boseongssal, Dahyang, Damtangssal - Gyeongbuk-do : Yeonghojinmi - Gyeongnam-do : Yongchussal <p>We suggest that the adaptable cultivation area of Jinseumi, only cultivated in Yeong-nam, and Mipung, only cultivated in Honam plain, would be expanded to Gyeong-gi southern plains and Gyeong-buk southern plain, respectively. In addition, the optimum temperature for the best productivity and eating quality of rice was 20.9~22.4℃ during 40 days after heading despite of some differences between each rice varieties. As a result, we investigated the heading period for providing the optimum ripening environment to improve the productivity and quality of each varieties, then suggest suitable rice varieties and optimal transplanting period in each region.</p>				
Expected Contribution	<ul style="list-style-type: none"> ○ Farm income will be increased by developing new brand rice with optimum rice varieties in each agricultural region. ○ Rice quality and added value will be increased by developing optimum cultivation method of rice varieties in each agricultural region. 				
Keywords	High quality rice	Optimum heading date	Optimum transplantin g date	Brand rice	Region