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**TECHNICAL WORKING PARTY
FOR
AGRICULTURAL CROPS**

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**DEVELOPMENT OF A REGIONAL SET OF EXAMPLE VARIETIES FOR THE
TEST GUIDELINES FOR RICE**

Document prepared by experts from Japan

1. During its thirty-second session, held in Tsukuba, Japan, from September 8 to 12, 2003, the Technical Working Party for Agricultural Crops (TWA) agreed that the Test Guidelines for Rice should be submitted to the Technical Committee for adoption on the basis of a minimal set of example varieties which had been verified by the leading expert and on the basis that regional sets of example varieties would be incorporated as these became available.
2. Following the TWA decision, experts from Japan, the People's Republic of China and the Republic of Korea agreed to develop a regional set of example varieties for East Asia. This document is a report on the latest developments.
3. In 2004, Japan and the Republic of Korea exchanged seed of 10 potential example varieties (candidate example varieties) of rice, and started a growing trial for that set of candidate example varieties. The lists of candidate example varieties are contained in Table 1.
4. In Japan, seeds were sown in seedling boxes on April 21, 2004, and single seedlings per hill were transplanted on May 26 in a lowland field at the National Institute of Crop Science

(NICS), Tsukuba (Latitude 36° N, Longitude 140° E). One plot of each variety was planted in the form of 2-row plots with spacing of 30 cm x 15 cm between the rows. Compound fertilizer (N:P₂O₅:K₂O = 14:14:14) was applied before transplanting at a rate of 80 kg N per ha. In total, 31 characteristics were observed based on the UPOV Test Guidelines for Rice TG/16/8.

5. In the Republic of Korea, seeds were sown in seedling boxes on May 4, 2004, and single seedlings per hill were transplanted on May 25 in a lowland field of the Variety Testing Division of National Seed Management Office (NSMO), Suwon (Latitude 37° N, Longitude 127° E). Three plots of each variety were planted in the form of 2-row plots, with spacing of 30 cm x 15 cm between the rows. In total, 41 characteristics were observed based on national test guidelines which are mostly harmonized with the UPOV Test Guidelines.

6. On March 29, 2005, Japan and the Republic of Korea discussed the data obtained from the growing trial in 2004 and identified potential example varieties as a basis for a regional set of example varieties for East Asia.

7. In 2005, the Republic of Korea repeated the growing trial, using the 20 combined candidate example varieties of Japan and the Republic of Korea.

8. In 2006, China, Japan and the Republic of Korea will exchange seed of candidate example varieties of each country, and will plant a growing trial in each country. The lists of candidate example varieties are contained in Table 1.

Table 1: Lists of candidate example varieties

	CHINA ⁽²⁾	JAPAN ⁽¹⁾⁽²⁾	REPUBLIC OF KOREA ⁽¹⁾⁽²⁾
Candidate example varieties	1. Guang lu ai 4 2. Lu chuan zao 1 3. Gui hua huang 4. He jiang 18 5. Zhu jin sui 6. Zhu yun nuo 7. Li shui nuo 8. Che chon 9 9. Li-jiang-xin-tuan-hei-gu	1. Asamurasaki 2. Yumetoiro 3. Koshihikari 4. Manyomochi 5. Sariqueen 6. Hoshiyutaka 7. Kusahonami 8. Tsukushiakamochi 9. Beniroman 10. Nipponbare	1. Hwaseong 2. Dasan 3. Heugnam 4. Odae 5. Daerip1 6. Ilpum 7. Heugjinju 8. Hwaseonchal 9. Hyangnam 10. Jinboul

(1) Varieties which seed has been exchanged in 2004 between Japan and Republic of Korea

(2) Varieties which seed is to be exchanged in 2006 between China, Japan and Republic of Korea

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