

A photograph of a rice field with several distinct varieties of rice plants. The plants are arranged in rows, showing different colors and heights. In the background, there are some buildings and mountains under a cloudy sky.

Outline of examination system and rice breeding in Japan

Yoshiaki TAKAMATSU, MAFF, JAPAN

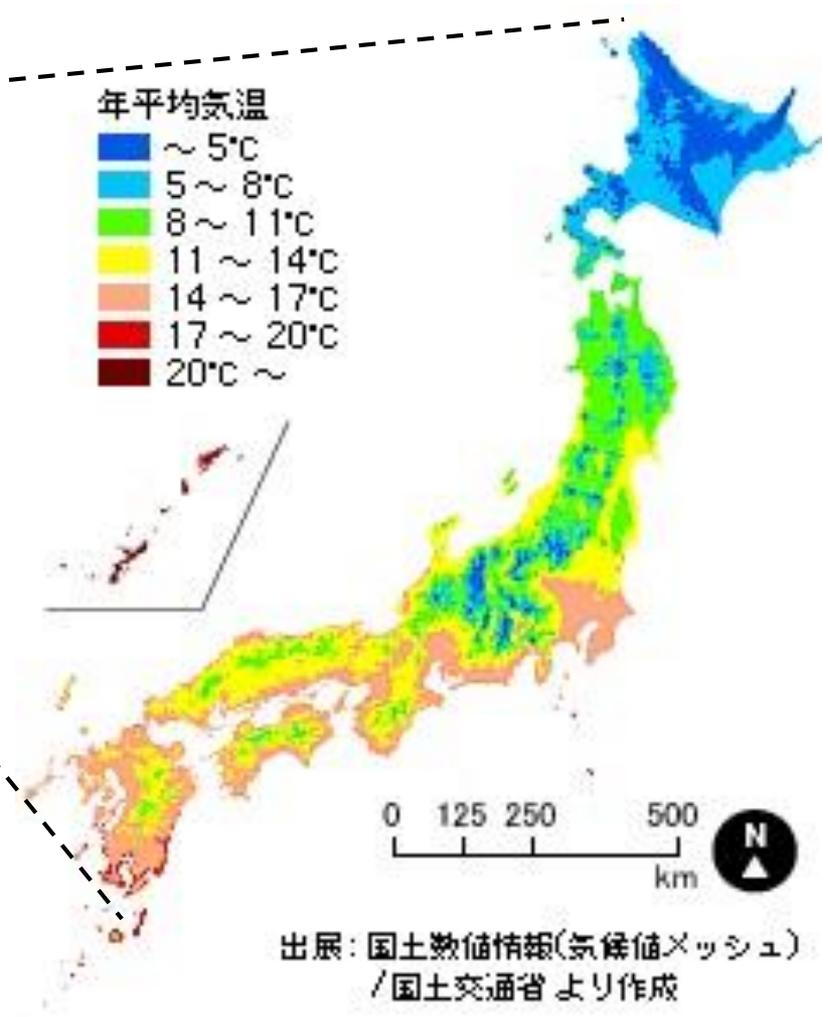
Workshop on Plant Variety Protection:

Setting Up Example Varieties for Selected Crops (Rice)

Perak, Malaysia, 24th-27th Nov 2015.

Outline of Rice in Japan

geography and climate



Rice production

Statistical data on 2014

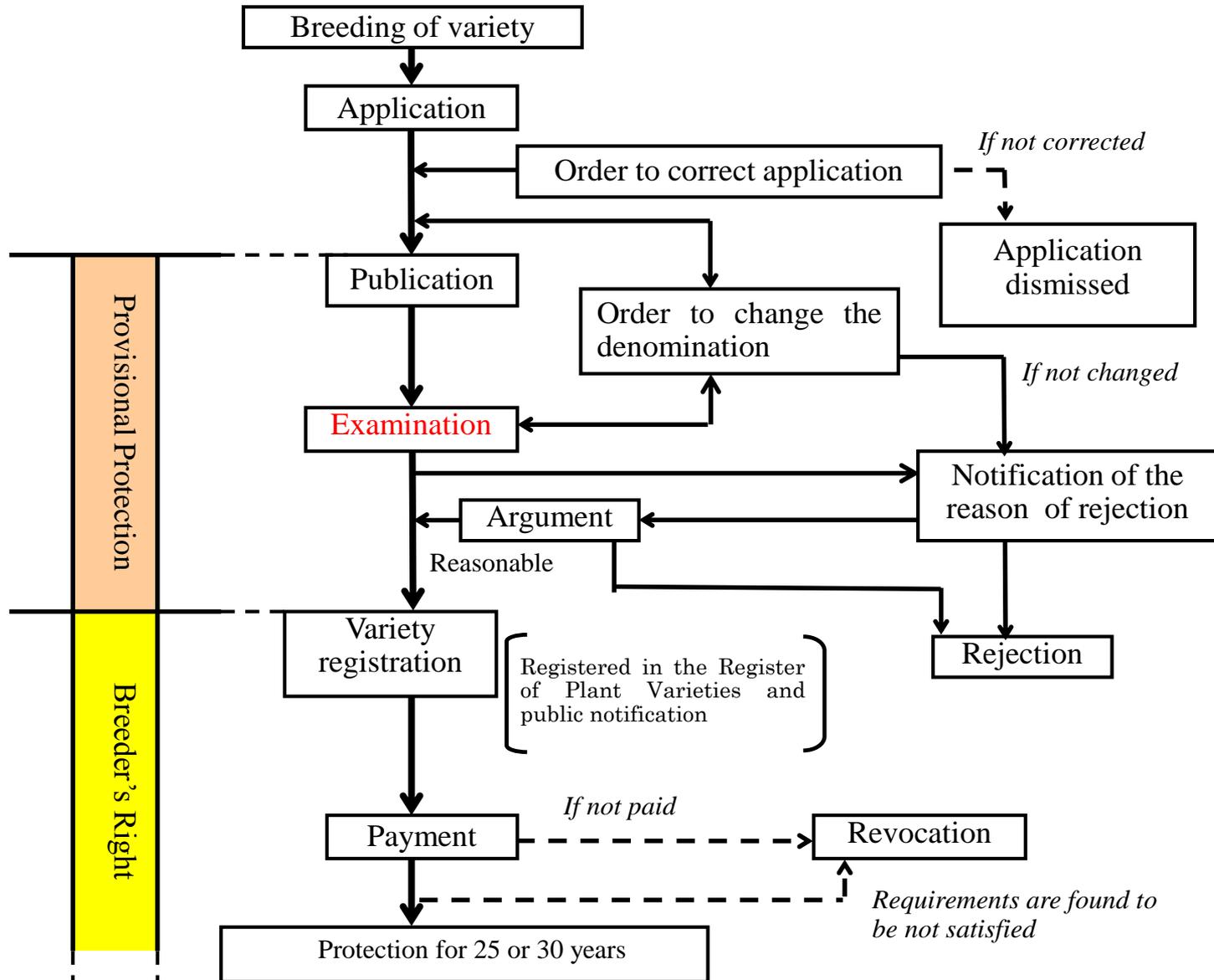
population	127,083,000
Production area	1,573,000 ha
production	8,440,000 t
Average yield / ha	5.36 t/ha (brown rice)
import	770,000 t (brown rice)

1. PBR system in Japan

2. Applications and granted

3. Breeding of rice in Japan

Procedures for PVP system



Examination



• Procedure

- ✓ Formality examination
- ✓ Planning for DUS Test – decision of the test method

- Growing Test
- Breeder Testing (On-site Inspection)
- Documentary Examination (including International Cooperation)

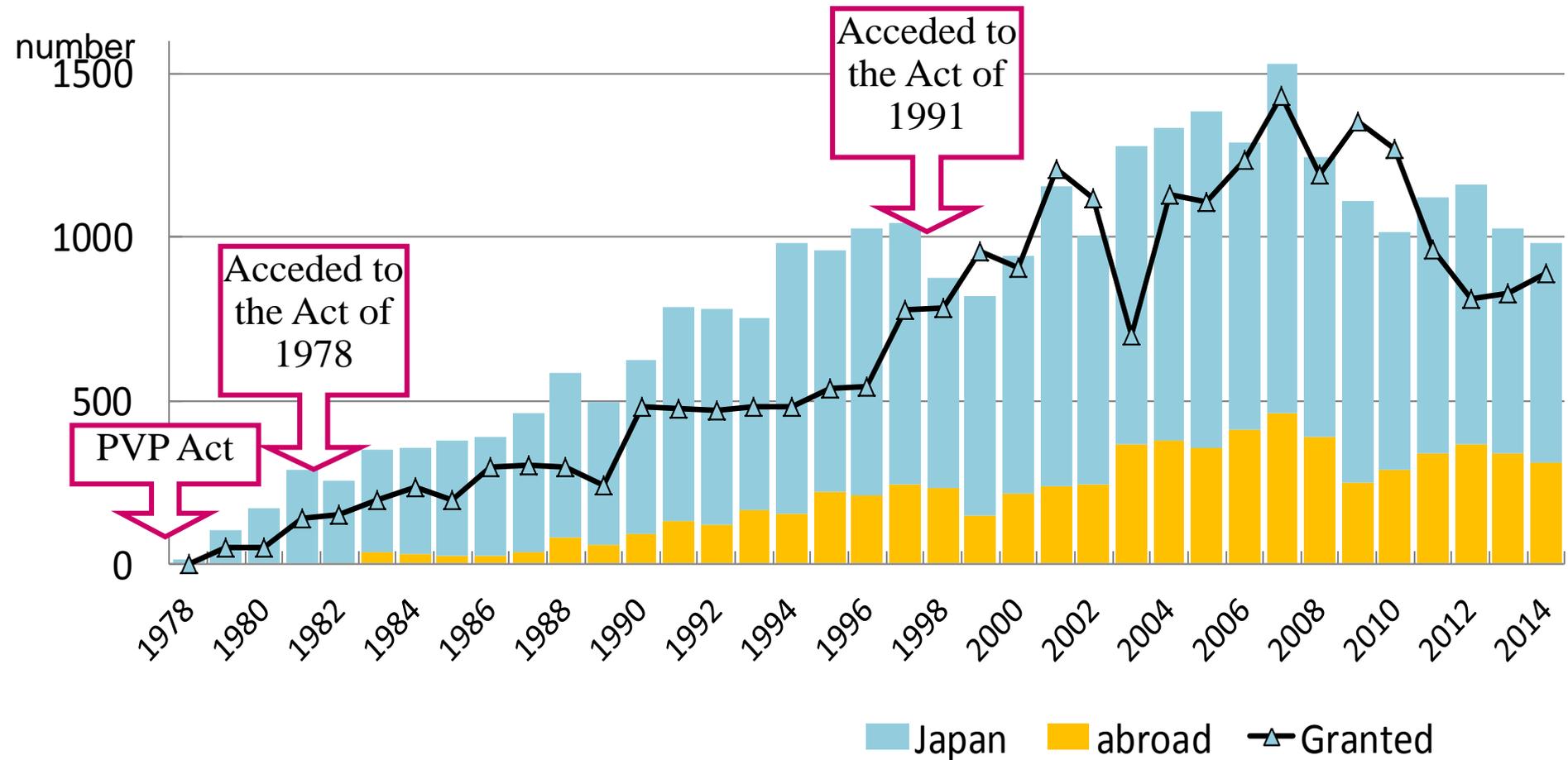
- ✓ Examination on Denomination in twice
- ✓ Examination on Novelty

1. PBR system in Japan

2. Applications and granted

3. Breeding of rice in Japan

Trend of Applications



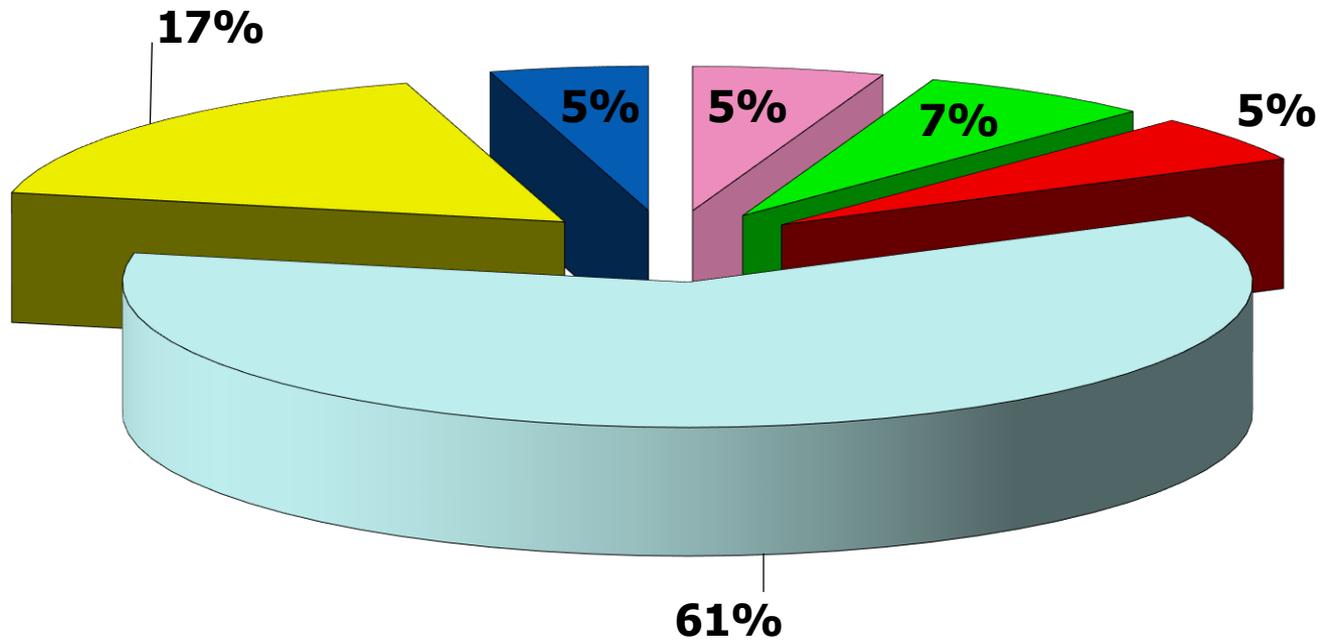
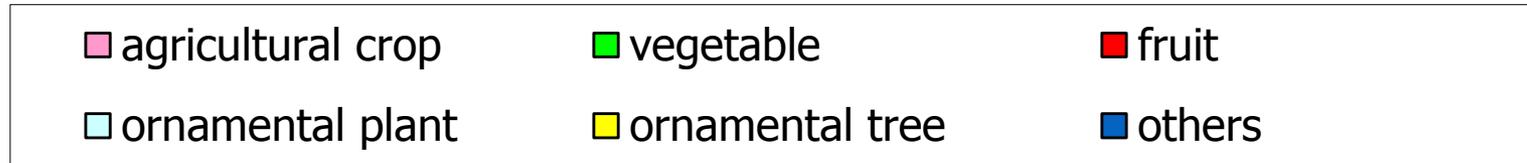
(2014FY)

Application (Total): 979 (100%)

// (from abroad) : 406(41%)

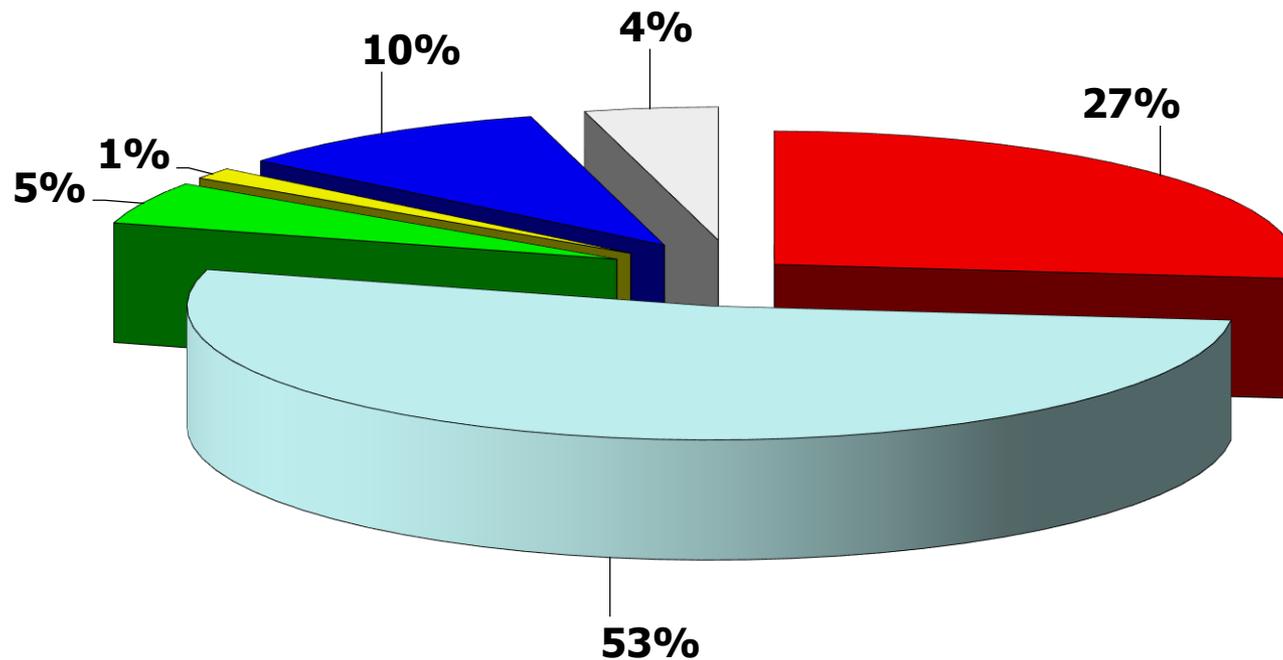
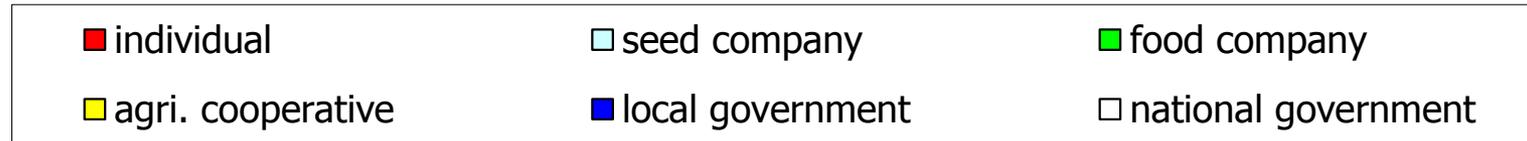
Right Granted by Crop

Total Number: 24,275 (~Mar. 31, 2015)



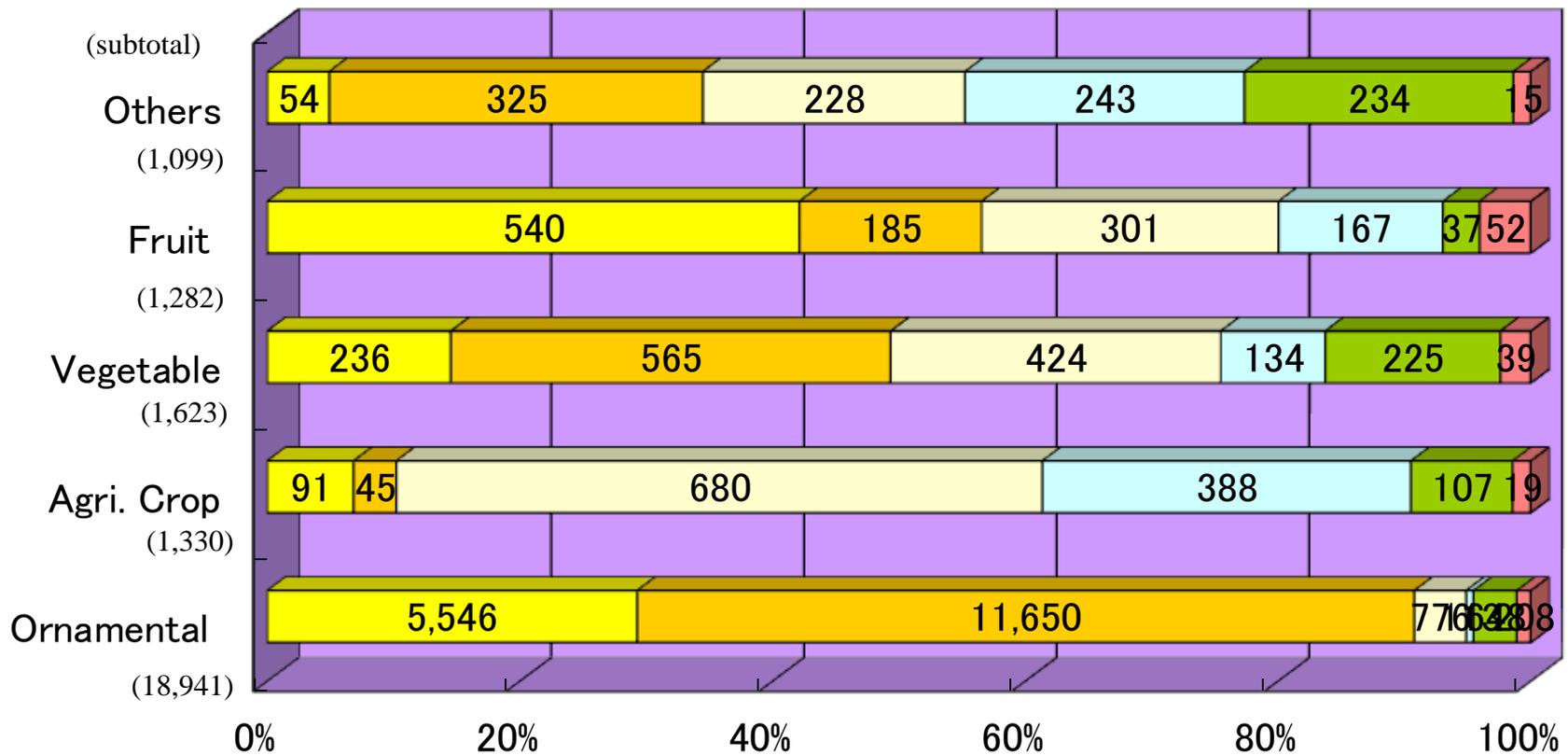
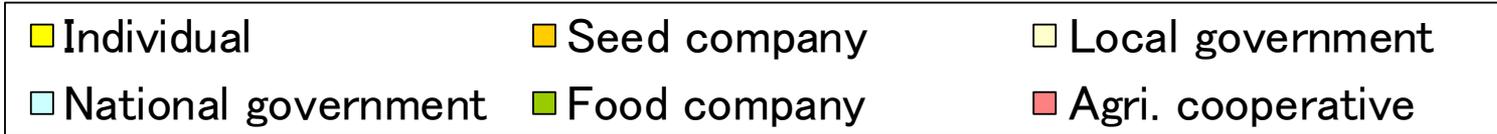
Right Granted by Title Holder

Total Number: 24,275 (~Mar. 31, 2015)

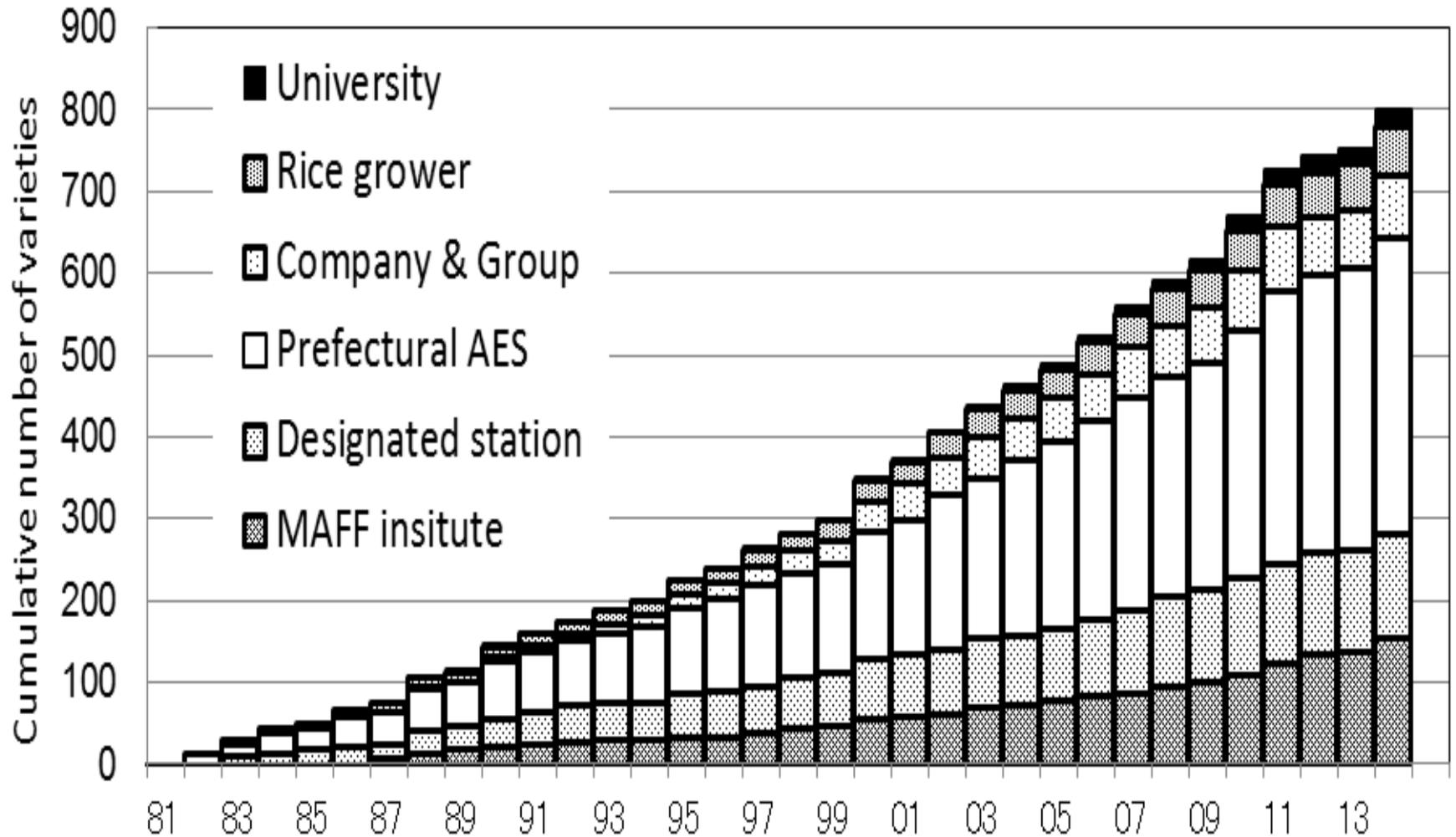


Right Granted by Crop and Title holder

(~ March 31, 2015)



Trend of right granted in rice



http://www.hinsyu.maff.go.jp/en/en_top.html

1. PBR system in Japan

2. Applications and granted

3. Breeding of rice in Japan

Various use

Rice is used for...

- food
- feed
- processing
- brewing
- ornamental



Objectives

- high yield potential and quality
- environmental adaptability
(high/low temperature resistance)
- disease/insect resistance
- direct seeding adaptability
- improvement of eating quality
- new trait rice
(content of amylose/protein, color, fra

