

SERIES 10

TOKAI-KINKI NATIONAL AGRICULTURAL EXPERIMENT STATION

Established: 1944

Location: Isshinden-cho, Tsu City, Mie Prefecture

Director: Shinichi Hasegawa

Total Number of Employees: 152 (Research personnel: 73)

Outline of Work:

The Tokai-Kinki district is situated in the central part of the main island of Japan and contains the large consumption areas of Osaka, Kyoto and Nagoya.

The population increases in this district and the improvement of people diet as the result of rapid industrialization created increased demands for vegetables, fruits and milk and high profit accrued from raising these crops induced more farmers to produce them in this district.

Main purpose of the agricultural research in this district is to improve productivity of farming through the intensification of integrated productivity of farmland since the land available to farm household is limited in the district.

In order to achieve this aim, this station carries on studies on increasing the per-area productivity of rice and those crops grown in paddy field before or after rice growing and on the interaction between rice and those crops. As regards upland field crops, this station conducts studies on the rational irrigation techniques for upland crops and on the improvement of mineral acid soil widely distributed in the upland fields of the district.

Recent Principal Research Findings:

Breeding of new varieties of rice and wheat.

Boosting productivity of rice and other crops in paddy field.

Temperature-utilization, soil moisture, nutrition, insect pests and controlling diseases in the cropping system involving rice and other crops.

Water consumption of crops.

Improved upland irrigation method.

Improvement of mineral acid soil.

Publications:

Bulletin of the Tokai-Kinki National Agricultural Experiment Station. (In Japanese with English summary, annual, free exchange)

Research Progress Report. (In Japanese with English summary, irregular, free exchange)

Organization and Main Research Themes:

- Research Planning and Coordination Division (3 sections)
 - General Administration Division (2 sections and 1 branch)
 - Paddy Field Farming Division (8 laboratories and 1 section)—
Breeding of rice and wheat; Rice cultivation in connection with the cropping system in paddy field; Farm operation; Modernized farm management.
 - Upland Farming Division (7 laboratories and 1 section)—Water consumption and irrigation for upland crops; Irrigation engineering; Improvement of mineral acid soil.
 - Environment Division (3 laboratories)—Soil improvement of paddy field; Rational fertilization for rice and other crops the paddy field cropping system; Control of insect pests and diseases in the paddy field cropping system.
- Director—