

of the japonica-indica (Tongil) hybrids and the technological package to accompany these hybrids. This package has also been applied to the cultivation of the traditional varieties and their productivity has increased to a level comparable with the hybrids (see Appendix C, Table 2).

### C. Wheat

Wheat has probably received more than its share of research effort if wheat production and import statistics are used as a basis for judgment. Production and area cultivated has steadily declined over the past ten years but imports have increased; thus, overall the demand for wheat has waxed. This may be partly due to the shift in farm population to the urban centers and dietary changes. The productivity of wheat has increased and this can be largely attributed to the successful research program.

More specifically, the wheat scientists have been conducting research on the following characteristics:

- Earliness
- Erect plant types
- Dwarfness
- High yield
- Good grain quality - plumpness and protein content
- Drought tolerance
- Resistance to sprouting in the head
- Disease resistance including scab, powdery mildew, stem rust
- Winter hardiness
- Tolerance to wet paddy soils

It is clearly evident from this list of characteristics that the wheat research carried out is in conformity with that stated in the project paper.

One of the most commendable aspects of the wheat improvement program is the close cooperation between the International Wheat and Maize Center in Mexico (CIMMYT) and U.S. universities. AID financially supports the research on wheat at CIMMYT, Oregon State University and until recently the University of Nebraska.

Oregon State University has provided materials for the International Winter Spring Wheat Screening Nursery (IWSWSN) since 1973. Two nurseries have been sent by the University of Nebraska, the International Winter Wheat Performance Nursery (IWWPN) and the High Protein, High Lysine Observation Nursery (HPON). The IWWPN has been grown each year since 1968. CIMMYT has provided the International Bred Wheat Screening Nursery (IBWSN) since 1974.

### D. Barley

The area cultivated with barley has steadily declined during the last decade. The production has remained relatively constant, with