

to 3 acre plots for multiplication of nucleus seed of some of the new promising N. P. varieties for distribution to States and farmers. The yields from this area are included in yield figures in the above statement.

**Central Potato Research Institute,
Simla**

114. Shri Inder J. Malhotra: Will the Minister of Food and Agriculture be pleased to state:

(a) the recommendations made to the farmers by the Central Potato Research Institute, Simla, with regard to the control of various important diseases of potato; and

(b) the nature of investigations pursued by the Institute in the last five years and their results?

The Deputy Minister of Agriculture (Shri M. V. Krishnappa): (a) and (b). A statement is laid on the Table of the Sabha. [See Appendix I, annexure No. 41].

Entomology Division of I.A.R.I.

115. Shri Inder J. Malhotra: Will the Minister of Food and Agriculture be pleased to state:

(a) the nature of research investigations undertaken by the Entomology Division of the Indian Agricultural Research Institute, New Delhi, during the year 1959-60 with regard to pests attacking wheat, rice and barley in different parts of the country;

(b) what were the results of these investigations; and

(c) the recommendations made to the farmers of the different regions in the country?

The Deputy Minister of Agriculture (Shri M. V. Krishnappa): (a) Intensive research work on pests of rice is carried out by the Entomology Section of the Central Rice Research Institute, Cuttack, and the various Entomology Sections of the rice growing States. Only some fundamental

research work on the preservation of paddy seeds against insect infestation by the use of insecticides is in progress in the division of Entomology of I.A.R.I.

Wheat and barley are free from infestation from major pests in the field, wheat being attacked only by termites in unirrigated areas. Barley also is occasionally attacked by termites. Research work on the control of termites in the field with modern organic insecticides is being carried out in the Entomology Division of the Indian Agricultural Research Institute, New Delhi.

Wheat and barley in storage are attacked by a number of serious pests such as *Trogoderma granarium*, *Rhizopertha dominica* and *Calandra oryzae*. Research work is in progress on (a) proper storage of wheat to keep it free from infestation by the use of insecticides as well as by improved methods of storage, (b) control of these pests by insecticides, (c) extent of contamination of wheat in storage by modern organic insecticides that are used for the control of these pests and (d) the translocation or absorption of insecticides from treated soils in the consumable portions of wheat plant.

(b) One improved storage structure for storage of wheat under rural conditions has been developed in the Division.

(c) The results obtained will be released to the cultivators after extensive trials.

Purchase of Rice in Punjab

116. Shri D. C. Sharma: Will the Minister of Food and Agriculture be pleased to state:

(a) the amount of money which has been spent by the Centre for the purchase of rice and paddy from Punjab in the procurement period upto 1st February, 1960; and

(b) the quantities of rice and paddy purchased State-wise by or on behalf

of the Centre from the 1st November, 1959 to the 1st February, 1960?

The Deputy Minister of Food and Agriculture (Shri A. M. Thomas): (a) Approximately Rs. 4.57 crores were spent by the Centre on the purchase of rice from the Punjab during the current Kharif procurement season from 1-10-1959 to 1-2-1960.

(b) The following quantities of rice and paddy were purchased in different States, by or on behalf of the Centre and delivered to them during the period from 1st November, 1959 to 1st February, 1960.

Name of State	Quantity (in '000 tons)	
	Rice	Paddy
Andhra Pradesh	4.4	..
Madhya Pradesh	174.6	..
Orissa	37.9	19.00
Punjab	81.1	..
TOTAL	298.0	19.00

Purchase of Ships from Japan

117. Shri D. C. Sharma: Will the Minister of Transport and Communications be pleased to refer to the reply given to Unstarred Question No. 82 on the 17th November, 1959, and state the further progress made so far in utilising the balance of 3:11 billion yens for purchase of ships from Japan?

The Minister of State in the Ministry of Transport and Communications (Shri Raj Bahadur): Scindia Steam Navigation Company have now placed an order for a repeat ship and asked for a rupee loan from the Shipping Development Fund. The latter is under consideration. If Government approves Scindia's request the revised Yen loan allocation for Shipping would be fully utilised.

Flood Control

118. Shri Goray: Will the Minister of Irrigation and Power be pleased to state:

(a) whether it is a fact that Ministry of Irrigation and Power and asked the State Governments to draw up comprehensive plans for each river basin to ensure flood control; and

(b) if so, which of the State Governments have sent their plans?

The Deputy Minister of Irrigation and Power (Shri Hathl): (a) The reply is in the affirmative.

(b) The following State Governments have prepared long range outline plans for flood control:

(1) Andhra Pradesh.

(2) Assam.

(3) Bihar.

(4) Jammu and Kashmir (Master plan for Kashmir valley and an outline plan for Jammu).

(5) Kerala (only a note outlining future proposals).

(6) Punjab (for the Second Five Year Plan only).

(7) Orissa (for a period of 15 years beyond the Second Five Year Plan).

(8) Uttar Pradesh.

(9) West Bengal (for the following rivers only).

(a) Teesta.

(b) Torsa.

(c) Raidak.

(d) Mahanada.

(e) Bhagirathi—Hooghly.

(f) Jaldhaka.

The State Governments have been requested to recast their long range outline plans on the basis of the recommendations of the High Level Committee on Floods.