

A G E N D A

FIFTEENTH ALL INDIA WHEAT RESEARCH WORKERS' WORKSHOP MEETINGS
1976

to be held at the

HARYANA AGRICULTURAL UNIVERSITY, HISSAR

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|------|--------------------------------------|---|--------------------|
| (i) | Research Review and Planning Session | : | August 19-22, 1976 |
| (ii) | Production Session | : | August 23-24, 1976 |

WHEAT WORKERS RESEARCH REVIEW AND PLANNING SESSION

FIFTEENTH ALL INDIA WHEAT RESEARCH WORKERS' WORKSHOP

(HARYANA AGRICULTURAL UNIVERSITY)
(HISSAR)

Welcome and brief review of wheat crop situation and research efforts during 1975-76.

M.V. RAO

JOINT SESSIONS FOR ALL DISCIPLINES

August 19, 1976

SESSION - IA

(8.30 a.m. 1.00 p.m.)

Chairman : Dr. Mahatan Singh
Rapporteurs : Dr. N.R. Das
Dr. A.S. Randhawa

I. AGRONOMY

- (i) Agronomic evaluation of wheat varieties for limited water supply. R.B.L. BHARDWAJ
- (ii) Agronomic evaluation of wheat varieties for different sowing dates under irrigated conditions. A.S. RANDHAWA
- (iii) Agronomic evaluation of wheat varieties for different sowing dates under unirrigated conditions. B.A. KORAGAVE
- (iv) Agronomic manipulation of wheat crop under rice-wheat or potato-wheat rotation. K.C. SHARMA
- (v) Efficient use of irrigation water under adequate supply. H.C. SHARMA
- (vi) Efficient use of irrigation water under limited supply. R.B. LALL
- (vii) Effect of Kharif legumes on nitrogen economy of wheat crop. N.R. DAS
- (viii) Effect of agrochemicals in increasing the productivity of rainfed wheat. VINDHYACHAL SINGH
- (ix) Possibilities of increasing yields of rainfed wheat by agronomic manipulations. N.J. MUDEOIKAR
- (x) Chemical weed control in wheat. H.G. SINGH

August 19, 1976
 SESSION - IB
 (3.00 p.m. - 6.00 p.m.)

Chairman : Dr. R.K. Grover
 Rapporteurs : Dr. P.C. Verma
 Dr. V.C. Kadam

II. PATHOLOGY

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|--------|----------------------------------------------------------------|-------------------------------|
| (i) | Report on wheat disease position in 1975-76. | L.M. JOSHI |
| (ii) | Report on smuts. | S.D. GERA |
| (iii) | Report on the work done on Karnal Bunt. | AMERIKA SINGH
S.S. AUJLA |
| (iv) | Report on Flag smut. | G.C. BHATNAGAR |
| (v) | Diseases of Triticales. | L.B. GOEL |
| (vi) | Chemical control of diseases. | P.D. TYAGI |
| (vii) | Report on the Plant Pathological Screening Nursery. | D.V. SINGH |
| (viii) | Report on the Trap Nursery. | S. NAGARAJAN |
| (ix) | Report on physiologic races and their distribution in 1975-76. | SHEODHAN SINGH
S.K. RUIKAR |

August 20, 1976
 SESSION - IC
 (8.30 a.m. - 1.00 p.m.)

Chairman : Dr. A.B. Joshi
 Rapporteurs : Dr. Kusal Pal Singh
 Dr. Zia-Ud-Din Ahmed

III. BREEDING

Presentation of data of coordinated varietal trials 1975-76.

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|--------|---------------------------------------------------------------------------------|-----------------|
| (i) | North Western Plains Zone | K.S. GILL |
| (ii) | North Eastern Plains Zone | A.N. KHANNA |
| (iii) | Central Zone | Y.M. UPADHYAYA |
| (iv) | Peninsular Zone | A.K. KOLHE |
| (v) | Northern Hills Zone | M.K. UPADHYAYA |
| (vi) | Southern Hill Zone | P.N.N. NAMBISAN |
| (vii) | National Trials Irrigated & Rainfed) | N.S. SISODIA |
| (viii) | Multiline trials. | S.M.A. NAQVI |
| (ix) | Triticale trials. | K.P.S. CHAUHAN |
| (x) | Report on the National and International materials evaluated during 1975-76. | R.K. AGRAWAL |
| (xi) | Report on the Minikit tests and farmers evaluation trials conducted in 1975-76. | HASSAN LUQMAN |

August 20, 1976

SESSION - ID

(3.00 p.m. - 6.00 p.m.)

Chairman : Dr. Dharam Pal Singh

Rapporteurs : Dr. D.N. Deore

Shri Sohan Pal

IV. QUALITY

- (i) Report on the work done on aestivum and durum wheats. A. AUSTIN
- (ii) Report on the work done on triticales. K.S. SEKHON
- (iii) Report on effect of environment and other factors in quality of wheat. S.R. SHURPALEKAR

V. PHYSIOLOGY

- (i) Studies on vegetative growth in wheat A.D. SAINI
- (ii) Studies on the effect of temperature and moisture on growth and development of wheat. K.S. MURTY
- (iii) Yield as influenced by temperature, in wheat D.N. DECREE

VI. NEMATOTOLOGY

- (i) Report on the work done on Molya disease. C.L. SETHI
- (ii) Report on the work done on 'tundu' and earcockle diseases. B.S. YADAV

VII. ENTOMOLOGY

- (i) Report on the work done on screening of wheat varieties against stored grain pests. S.K. BHATIA
- (ii) Report on the work done on the field pests (excluding termites). R.M. KHAN
- (iii) Report on the work done on termites. A.N. VERMA

WORK PLANNING SESSION

August 21, 1976

SESSION - IE

(8.30 a.m. - 10.30 a.m.)

Chairman : Dr. Sukhdev Singh
 Rapporteurs : Dr. M.P. Jha
 Dr. K.D. Pathak

1. Discussions on the recommendations of the Sub-committees and the XIVth Wheat Workshop.

After this the scientists of different disciplines will meet separately to:

- (i) To draw up the technical programme of work for 1976-77
- (ii) To prepare action programme for implementation by developmental agencies
- (a) Seed multiplication of varieties
 (b) Package of practices
 (c) Control measures of diseases, nematodes and pests.

WHEAT AGRONOMY GROUP

August 21, 1976

SESSION - IF

(10.30 a.m. - 1.00 p.m.)
(3.00 p.m. - 6.00 p.m.)

Chairman : Dr. ^{Rajat De} Mahatam Singh
 Rapporteurs : Dr. Vindhyachal Singh
 Dr. R.B. Lall

- (i) Formulation of programme of work for 1976-77 and its allocation to different workers and centres.
- (ii) Formulation of package of practices for increasing production during 1976-77 in each state under different prevalent crop production conditions.

WHEAT PATHOLOGY GROUP

August 21, 1976

SESSION - IF

(10.30 a.m. - 1.00 p.m.)
(3.00 p.m. - 6.00 p.m.)

Chairman : Dr. L.M. Joshi
 Rapporteurs : Dr. T.B. Singh
 Dr. P. Bahadur

- (i) Formulation of programme of work for 1976-77 and its allocation to different workers and centres.
- (ii) Formulation of package of control and other remedial measures to reduce losses caused by various wheat diseases.
- (iii) Recommendations to breeders what to use and what not to use in breeding for disease resistance.

WHEAT BREEDING GROUP

August 21, 1976

SESSION - IF

(10.30 a.m. - 1.00 p.m.)
(3.00 p.m. - 6.00 p.m.)Chairman : Dr. M.V. Rao
Rapporteurs : Dr. Tashi Dawa
Dr. P.L.N. Somayajulu

Separate sub-committee meetings of breeders of different zones to formulate programme of coordinated varietal trials for 1976-77

- (i) National Trials (Irrigated)
- (ii) National Trials (Rainfed)
- (iii) Multilineal trials (Irrigated)
- (iv) Uniform Regional Trials (Irrigated)
- (v) Uniform Regional Trials (Rainfed)
- (vi) Uniform Regional Trials (Irrigated, Late Sown)
- (vii) Initial Evaluation Trials (Irrigated)
- (viii) Initial Evaluation Trials (Rainfed)
- (ix) Initial Evaluation Trials (Irrigated, Late Sown)
- (x) Triticale Trials

The following sub-committees will draw up the programme for the above mentioned series of trials for the different zones.

<u>Zone</u>	<u>Subcommittee Chairman</u>	<u>RAPORTEURS</u>
North Western Pl. Zone	K.S. GILL	G.S. NANDA O.P. LUTHRA
North Eastern Pl. Zone	A.N. KHANNA	H.P. SIKDER K.M.P. SINGH
Central Zone	Y.M. UPADHYAYA	R.R. SHEOPURIA M.S. PATEL
Peninsular Zone	A.K. KOLHE	R.Y. THEPE I.R. MORABAD
Northern Hills Zone	M.K. UPADHYAYA	H.C. JOSHI G.N. MIR
Southern Hill Zone	P.N.N. NAMBISAN	K.M. MENON
New Zones ?		
National Trials(I & R)	N.S. SISODIA	J.S. IZARDAR
Multilineal Trials	T.B. SINGH	S.M.A. NAQVI
Triticale Trials(Hills & Plains)	K.P.S. CHAUHAN	S.C. MANI A.R. SAWANT

WHEAT QUALITY GROUP

August 21, 1976

SESSION - IF

(10.30 a.m. - 1.00 p.m.)

(3.00 p.m. - 6.00 p.m.)

Chairman : Dr. A. Austin
 Rapporteurs : Dr. K.S. Sekhon

- (i) Work planning for 1976-77
- (ii) Preparation of list of varieties best for high nutritive and other qualities and for various products.

WHEAT PHYSIOLOGY GROUP

August 21, 1976

SESSION IF

(10.30 a.m. - 1.00 p.m.)

(3.00 p.m. - 6.00 p.m.)

Chairman : Dr. G.S. Sirohi
 Rapporteurs : Dr. K.S. Murty

- (i) Work planning for 1976-77
- (ii) Recommendations of indices to be used in breeding wheat varieties suitable for different crop production conditions.
- (iii) Formulation of programme for breeding for frost resistance.

WHEAT NEMATOLOGY GROUP

August 21, 1976

SESSION - IF

(10.30 a.m. - 1.00 p.m.)

(3.00 p.m. - 6.00 p.m.)

Chairman : Dr. A.R. Seshadri
 Rapporteurs : Dr. D.S. Bhatti
 Dr. B.N. Mathur

- (i) Formulation of programme of work for 1976-77 and its allocation to different centres and workers.
- (ii) Finalization of recommendations on package of practices for reducing losses due to nematode diseases of wheat.
- (iii) Recommendation of sources of resistance to different nematode diseases, to be used by the breeders in the country.

WHEAT ENTOMOLOGY GROUP

August 21, 1976

SESSION - IF

(10.30 a.m. - 1.00 p.m.)
(3.00 p.m. - 6.00 p.m.)Chairman : Dr. S.K. Bhatia
Rapporteurs : Sh. S.K. Srivastava

- (i) Formulation of programme of work for 1976-77 and allocation of work to each centre and workers.
- (ii) Finalization of recommendations on control of (a) field pests (b) stored grain pests.
- (iii) Recommendation of sources of resistance to different pests to be used by breeders.

JOINT SESSION FOR ALL DISCIPLINES

FINALISATION OF PROGRAMME OF WORK

August 22, 1976

SESSION - IG

(8.30 a.m. - 10.30 a.m.)

Chairman : Dr. Sukhdev Singh
Rapporteurs : Shri R.K. Agrawal
Shri S.B. Thombre

Presentation of programme for 1976-77

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|-------|------------|-----------------|
| (i) | Breeding | M.V. RAO |
| (ii) | Agronomy | R.B.L. BHARDWAJ |
| (iii) | Pathology | L.M. JOSHI |
| (iv) | Quality | A. AUSTIN |
| (v) | Nematology | A.R. SESHADRI |
| (vi) | Physiology | A.D. SAINI |
| (vii) | Entomology | S.K. BHATIA |

PRESENTATION OF PROPOSALS FOR VARIETAL IDENTIFICATION

August 22, 1976

SESSION - IH

(10.30 a.m. - 1.00 p.m.)
(3.00 p.m. - 6.00 p.m.)Chairman : Dr. M.S. Swaminathan
Rapporteur : Shri T.C.M. Menon

Presentation of proposals with relevant data for identification of superior wheat varieties.

INDIVIDUAL
BREEDERS

(Later on the Special Committee on Varietal Identification will examine the proposals, take decisions and present report in the Plenary Session).

PRODUCTION SESSION

FIFTEENTH ALL INDIA WHEAT RESEARCH WORKERS' WORKSHOP
INDIAN COUNCIL OF AGRICULTURAL RESEARCH

Venue : Haryana Agricultural University, Hissar

Contacts: Dr. N.D. Arora, Prof. & Head of the Deptt. of
Plant Breeding
Shri Dhani Ram Vasudeva, Economic Botanist (Wheat)
Dr. M.V. Rao, Coordinator (Wheat Project)

INAUGURAL SESSION

August 23, 1976
INAUGURAL SESSION
(9.30 a.m. - 10.45 a.m.)

Welcome	:	Dr. Dharam Pal Singh
Review of significant results	:	Dr. M.V. Rao
Inaugural Address	:	Chief Guest
Vote of Thanks	:	Shri Dhani Ram Vasudeva
Recess (15 minutes)		

JOINT SESSION FOR ALL DISCIPLINES

August 23, 1976
SESSION - IIA
(11.00 a.m. - 1.00 p.m.)

Chairman	:	Dr. M.S. Swaminathan
Rapporteurs	:	Dr. A.N. Khanna Dr. N.S. Sisodia

1. Significant results and lessons of rabi 1975-76:

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| (i) Breeding | M.V. RAO |
| (ii) Agronomy | R.B.L. BHARDWAJ |
| (iii) Pathology | L.M. JOSHI |
| (iv) Quality | A. AUSTIN |
| (v) Nematology | A.R. SESHADRI |
| (vi) Entomology | S.K. BHATIA |
| (vii) Physiology | A.D. SAINI |
| 2. Seed storage problems in wheat with particular reference to eastern India. | S.V. PINGALE |
| 3. Review of performance of wheat varieties released in the last ten years. | M.V. RAO |
| 4. Changing patterns in production and consumption of bread and other bakery products in India and the scope of Indian wheats meeting the quality requirements of local milling & baking industry. | R.B. RAO |

(After this talk, the book compiled by the Baking Association of India will be formally released by Dr. M.S. Swaminathan, Director General, I.C.A.R. and Secretary to the Govt. of India.)

JOINT SESSION FOR ALL DISCIPLINES

August 23, 1976

SESSION - IIB

(3.00 p.m. - 6.00 p.m.)

Chairman : Dr. G.S. Kalkat

Rapporteurs : Pr. K.S. Gill

Pr. S.M. Gandhi

Report on the Intensive Wheat Production programme
in Maharashtra during 1975-76.

S.R. CHOPDE

Prospects of cultivation of durum wheat s in north
India.

K.S. GILL

Plans for increasing wheat production in 1976-77 in
different wheat growing states.

1. Uttar Pradesh
2. Punjab
3. Madhya Pradesh
4. Haryana
5. Bihar
6. Rajasthan

August 24, 1976

SESSION - IIC

(8.30 a.m. - 1.00 p.m.)

Chairman : Dr. D.R. Bhumbale

Rapporteurs : Dr. A.K. Kolhe

Pr. M.K. Upadhyaya

Plans for increasing wheat production 1976-77 (contd.)

7. Maharashtra
8. Gujarat
9. West Bengal
10. Karnataka
11. Himachal Pradesh
12. Jammu & Kashmir

Regional collaboration in wheat research

DELEGATES FROM
NEIGHBOURING
COUNTRIES

P L E N A R Y S E S S I O N

August 24, 1976

SESSION - IID

(3.00 p.m. - 5.00 p.m.)

Chairman : Dr. M.S. Swaminathan
 Rapporteurs : Dr. Y.M. Upadhyaya
 Shri V.S. Mathur

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|----|--------------------------------------------------------------------------------------------------------|-----------------|
| 1. | Programme of production of Breeders, Foundation and certified seed during 1976-77. | D.P. SINGH |
| 2. | Programme of Minikit Tests and Farmers evaluation trials. | HASAN LUQMAN |
| 3. | Reports on discipline-wise programme of work for <u>rabi</u> 1976-77, proceedings and recommendations: | |
| | i) Breeding | M.V. RAO |
| | ii) Agronomy | R.B.L. BHARDWAJ |
| | iii) Pathology | L.M. JOSHI |
| | iv) Nematology | A.R. SESHADRI |
| | v) Entomology | S.K. BHATIA |
| | vi) Quality | A. AUSTIN |
| | vii) Physiology | A.D. SAINI |
| 4. | Report of the special committee on varietal releases. | M.V. RAO |
| 5. | Any other business | |
| 6. | Vote of Thanks. | M.V. RAO |