

Copy:

United States Deptt. of Agriculture
Agricultural Res. Service
Crops Research Division
October 18, 1963.

Stated University Station,
Fargo, North Dakota.

AIR MAIL

Dr. M. S. Swaminathan,
Divn. of Botany, I. A. R. I.,
New Delhi-12.

Dear Dr. Swaminathan,

You mentioned at the Wheat Genetics Symposium in Lund that you would like to have seed of stem rust resistant durums. I have sent packets of seed of 14 varieties to Dr. J. C. Craddock, Beltsville, Maryland, who will handle inspection of the seed and will forward the seed to you by air. The varieties I have sent are listed as follows:

- | | |
|----------------|-------------------|
| 1) Wells | 8) C.I. 7805 |
| 2) Lakota | 9) ST.464 |
| 3) Yuma | 10) C.I.3255 |
| 4) Ramsey | 11) P.I. 94701 |
| 5) Langdon | 12) P.I. 192168 |
| 6) Golden Ball | 13) C.I. 8155 |
| 7) P.I. 192179 | 14) Khapli emmer. |

The first five varieties were developed at North Dakota, but the remaining ones were selected from the World Collection of Wheat. These varieties are resistant or partially resistant to the races of rust prevalent in the durum growing area of North America. Khapli emmer was the main source of resistance for Wells, Lakota, Langdon and Yuma. None of these 4 varieties possess all of the Khapli resistance genes. P.I. 94701 was the source of resistance for Ramsey. Golden Ball and C.I. 3255 probably have the same major gene for resistance as P.I. 94701. ST.464, P.I. 192179, C.I. 8155 and C.I. 7805 are similar in resistance and each have at least 2 major genes which provide us with a high degree of resistance. P.I. 192168 probably has a resistance gene different from any of those represented in the other 13 varieties. I would be greatly interested in hearing from you how these varieties perform in your area, especially with respect to resistance to stem rust.

It was a great pleasure for me to meet you and talk with you at the meetings. I hope the seed will reach you in time for planting.

Sincerely yours,

Sd/- Norman D. Williams,
Geneticist.

MSS:nji

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Landbouwhogeschool Wageningen

DR. M. S. SWAMINATHAN

Head, Division of Botany, Indian Agricultural Research Institute, New Delhi, India

zal in september 1963 in de collegezaal van het

Laboratorium voor Erfelijkheidsleer, Gen. Foulkesweg 53, de volgende voordrachten

houden :

1. Woensdag 11 sept., 16.00 uur precies :

Macro-mutations and sub-specific differentiation in Triticum.

2. Donderdag 12 sept., 16.00 uur precies :

Mutation breeding in some polyploid crop plants.

3. Vrijdag 13 sept., 16.00 uur precies:

Indirect effects of radiations with reference to the use of radiation in food preservation.

4. Maandag 16, sept., 11.00 uur precies:

Experimental manipulation of embryo growth in some incompatible interspecific crosses.

BELANGATELLENDEN ZIJN HARTELIJK WELKOM

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