

CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

REPORT [REDACTED]

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NO. OF PAGES 3

COUNTRY USSR/Hungary/Yugoslavia/Rumania/China

SUBJECT Examination of Soviet and Satellite Grain Samples

PLACE ACQUIRED [REDACTED] 25X1

NO. OF ENCLS. (LISTED BELOW)

DATE ACQUIRED [REDACTED] 25X1

SUPPLEMENT TO REPORT [REDACTED] 25X1

DATE OF INFORMATION [REDACTED] 25X1

[REDACTED]

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[REDACTED]

25X1 1. Description of samples.

- 25X1 No. 1 - Hungarian maize acquired during 1950 [REDACTED]
- 25X1 No. 2 - Yugoslavian maize acquired during 1950 [REDACTED]
- 25X1 No. 3 - Russian maize acquired during 1950 [REDACTED]
- 25X1 No. 4 - Manchurian maize acquired during 1950 [REDACTED]
- 25X1 No. 5 - Rumanian maize acquired during 1950 [REDACTED]
- 25X1 No. 6 - Russian feed barley [REDACTED]
- 25X1 [REDACTED]
- 25X1 No. 7 - Russian corn [REDACTED]
- 25X1 [REDACTED]
- 25X1 No. 8 - Manchurian corn acquired during 1950 [REDACTED]
- 25X1 No. 9 - Russian oats acquired during 1950 [REDACTED]

2. Examination of the samples has resulted in the following varietal identifications:

- No. 1 - Maize of the "dent" type, probably grown in the Danube basin.
- No. 2 - Maize of the "dent" type, probably grown in Yugoslavia.
- No. 3 - Maize comprising a mixture of early maturing "flint" and "dent" types, possibly grown in the Ukraine.
- No. 4 - Maize comprising a mixture of early and midseason "dent" types with early maturing "flint" types.
- No. 5 - Maize of "dent" type.
- No. 6 - Barley of a rather pure 2-row type, probably a spring barley, possibly grown in the Ukraine.
- No. 7 - Maize comprising a mixture of early maturing "flint" and "dent" types.
- No. 8 - Maize comprising a mixture of early "flint" and "dent" types.
- No. 9 - Oats of the midseason white oat type. This type includes such varieties as the "Victory" and "Swedish Select." The sample may have been grown in the northern Ukraine.

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25X1

-2-



3. Grading of the samples is reported as follows:

Sample No.	Protein Content 14.0% Moisture	Moisture Free	Weight per bushel, lbs.	U. S. Grade and grading factor
1	9.46	11.00	57.0	No. 3 yellow corn, dent and flint, weevily, cracked corn and foreign material 3.5%
2	9.18	10.67	58.0	No. 4 yellow corn, dent and flint, weevily, damaged kernels 9.0%
3	9.95	11.57	60.5	No. 3 mixed corn, dent and flint, cracked corn and foreign material 3.2%
4	8.79	10.22	58.0	No. 1 yellow corn, dent and flint, weevily
5	8.88	10.32	59.0	No. 4 yellow corn, dent and flint, cracked corn and foreign material 4.2%
6	9.90	11.51	-	No. 2 two-rowed barley, blighted, blight damaged kernels 5.0%
7	10.14	11.80	-	No. 2 mixed corn, dent and flint, damaged kernels 3.4%
8	8.81	10.24	58.0	"Sample Grade" mixed corn, dent and flint, weevily, cracked corn and foreign material 8.7%
9	10.57	12.29	43.0	No. 4 extra heavy white oats, heat damaged kernels 1.5%

4. General evaluation of the samples tested is as follows:

- No. 1 - Appears adapted to a climate like northern Iowa. The flint kernels are of a type that came originally from the Caribbean area.
- No. 2 - Appears adapted to a climate like northern Iowa. The flint kernels are of a type that came originally from the Caribbean area.
- No. 3 - Appears adapted to a climate like Minnesota or the Dakotas. The flints are of a type that came originally from the northern U. S. A.
- No. 4 - Appears adapted to a climate like Minnesota or the Dakotas or possibly northern Iowa. The sample seems to have been grown under more favorable conditions than the other maize samples examined. The protein content is lower than the other maize samples, reflecting lower nitrogen content in the soil.
- No. 5 - Appears adapted to a climate like northern Iowa.
- No. 6 - Could have been grown in the Ukraine. The kernels are plump, indicating growth under favorable conditions. There is evidence that a part of the grain may have been from lodged plants which would have resulted from storms after the grain had headed.

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25X1



-3-

- No. 7 - Appears adapted to a climate like Minnesota or the Dakotas.
- No. 8 - Appears adapted to a climate like Minnesota or the Dakotas.
- No. 9 - This type was formerly grown in states with climates like Minnesota and came originally from northern Europe. The sample probably came from an area farther north than the Ukraine, with cooler summers. Partial cause of the heavy test weight is that the tip ends of the oat hulls were broken off in threshing or cleaning.

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