

Yields of Barley Varieties in the United States and Canada 1937-41

By

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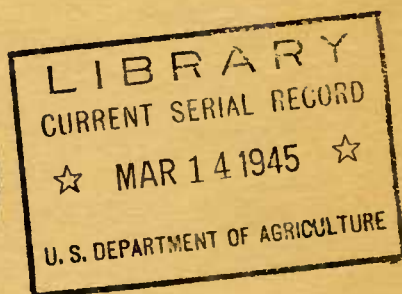
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MINNESOTA

Minnesota Agricultural Experiment Station, St. Paul.....F. R. Immer.
 Southeast Experiment Station, Waseca.....In care of F. R. Immer, St. Paul.
 West Central Experiment Station, Morris.....In care of F. R. Immer, St. Paul.
 Northwest Experiment Station, Crookston.....In care of F. R. Immer, St. Paul.
 North Central Experiment Station, Grand Rapids
In care of F. R. Immer, St. Paul.
 Northeast Experiment Station, Duluth.....In care of F. R. Immer, St. Paul.

TABLE 16.—Acre yields of varieties of barley grown at agricultural experiment stations in Minnesota in 1 or more of the years 1937-41

(Data obtained through the courtesy of the Minnesota Agricultural Experiment Station)

Station and variety	C. I. No.	Station No.	Number of plots and acre yield										Average yield, 1937-41	Relative yield compared with standard
			1937		1938		1939		1940		1941			
			Plots	Yield	Plots	Yield	Plots	Yield	Plots	Yield	Plots	Yield		
				Bu.		Bu.		Bu.		Bu.		Bu.	Bu.	Percent
St. Paul:														
Manchuria ¹	2330	184	3	27.9	3	41.4	3	33.5	3	55.5	3	46.5	41.0	100.0
Peatland.....	5267	452	3	33.0	3	50.6	3	51.6	3	73.3	3	54.9	52.7	128.6
Velvet.....	4252	447	3	34.2	3	42.2	3	44.4	3	73.3	3	54.7	49.8	121.5
Minsturdi.....	1556	439	3	42.0	3	58.3	3	42.0	3	68.9	3	61.0	54.4	132.9
Wisconsin Barbless.....	5105	529	3	30.5	3	54.8	3	49.6	3	77.8	3	64.7	55.5	135.4
O. A. C. 21.....	1470	587					3	56.7	3	71.8	3	65.5		143.2
Gartons.....	7016	588					3	52.0	3	71.2	3	42.4		122.2
Spartan.....	5027	536							3	77.0	3	58.4		132.7
Minnesota 462 X														
Peatland.....	7010	II-31-15									3	52.8		113.5
Do.....	7011	II-31-19									3	55.4		119.1
Do.....	7012	II-31-25									3	52.1		112.0
Do.....	7013	II-31-37									3	52.2		112.3
Do.....	7014	II-31-39									3	53.3		114.6
Do.....	7015	II-31-45									3	62.4		134.2
Mars.....	4577	445	3	37.9	3	45.9	3	45.7	3	69.7				125.8
Glabor.....	936	448	3	46.0	3	58.4	3	48.7	3	71.5				141.9
Ioglos.....	6239	586			3	56.8	3	37.2	3	65.7				122.5
Oderbrucker.....	4666	528	3	18.8	3	42.4								88.3
Odessa.....	182	564	3	34.6	3	42.4								111.1
Lion X Manchuria	6001	565	3	47.6	3	46.1								135.2
Waseca:														
Manchuria ¹	2330	184	3	47.7	3	41.5	3	48.8	3	53.4	3	35.9	45.5	100.0
Peatland.....	5267	452	3	48.3	3	44.0	3	58.2	3	83.7	3	34.5	53.7	118.2
Velvet.....	4252	447	3	44.6	3	47.7	3	61.7	3	61.3	3	35.1	50.1	110.2
Minsturdi.....	1556	439	3	54.1	3	47.4	3	52.7	3	66.2	3	36.5	51.4	113.0
Wisconsin Barbless.....	5105	529	3	57.1	3	56.8			3	103.4	3	43.3		146.0
Spartan.....	5027	536							3	62.9	3	46.9		123.0
Minnesota 462 X														
Peatland.....	7010	II-31-15									3	41.5		115.6
Do.....	7011	II-31-19									3	42.4		118.1
Do.....	7012	II-31-25									3	32.5		90.5
Do.....	7013	II-31-37									3	37.9		105.6
Do.....	7014	II-31-39									3	28.9		80.5
Do.....	7015	II-31-45									3	43.6		121.4
Mars.....	4577	445	3	39.0	3	44.4	3	53.7	3	61.6				103.8
Glabor.....	936	448	3	67.3	3	50.3	3	64.8	3	84.2				139.3
Trebi.....	936	528	3	38.3	3	43.7	3	60.4	3	53.2				102.2
Oderbrucker.....	4666	586			3	45.1	3	59.5	3	66.9				119.3
Ioglos.....	6239	564	3	52.4										109.9
Odessa.....	182	564	3	46.4										97.3
Lion X Manchuria	6001	565	3											
Morris:														
Manchuria ¹	2330	184	3	31.5	3	49.0	3	31.1	3	51.2	3	39.3	40.4	100.0
Peatland.....	5267	452	3	31.8	3	48.8	3	41.7	3	59.6	3	47.0	45.8	113.3
Velvet.....	4252	447	3	34.3	3	50.9	3	48.6	3	52.7	3	41.4	45.6	112.8
Wisconsin Barbless.....	5105	529	3	43.4	3	64.6	3	55.1	3	72.4	3	53.3	57.8	142.9
Gartons.....	7016	588					3	44.0	3	61.2	3	43.6		122.4
Spartan.....	5027	536									3	54.1		137.7
Minnesota 462 X														
Peatland.....	7010	II-31-15									3	46.1		117.3
Do.....	7011	II-31-19									3	51.5		131.0
Do.....	7012	II-31-25									3	45.0		114.5
Do.....	7013	II-31-37									3	47.6		121.1
Do.....	7014	II-31-39									3	41.5		105.6

See footnote at end of table.

TABLE 16.—*Acre yields of varieties of barley grown at agricultural experiment stations in Minnesota in 1 or more of the years 1937-41—Continued*

Station and variety	C. I. No.	Station No.	Number of plots and acre yield										Average yield, 1937-41	Relative yield compared with stand-ard
			1937		1938		1939		1940		1941			
			Plots	Yield	Plots	Yield	Plots	Yield	Plots	Yield	Plots	Yield		
Morris—Continued.				Bu.		Bu.		Bu.		Bu.		Bu.	Bu.	Per-cent
Mars.....	7015	II-31-45									3	56.0		142.5
Glabron.....	4577		3	30.5	3	55.3	3	46.8	3	58.9				117.6
Trebi.....	936		3	42.9	3	63.7	3	44.6	3	70.4				136.1
Ioglos.....	6239		3	58.6	3	54.7	3	46.7	3	65.1				126.8
Oderbrucker.....	4666		3	24.1	3	50.6								92.8
Odessa.....	182		3	34.8										110.5
Lion X Manchuria	6001		3	37.5										119.0
Crookston:														
Manchuria ¹	2330		3	25.2	3	29.7	3	35.0	3	42.2	3	23.7	31.2	100.0
Peatland.....	5267		3	43.1	3	44.3	3	43.1	3	42.8	3	37.9	42.2	135.6
Velvet.....	4252		3	38.6	3	33.7	3	41.2	3	40.0	3	43.8	39.5	126.6
Wisconsin Barbless	5105		3	40.2	3	45.7	3	42.9	3	58.5	3	41.5	45.8	146.9
O. A. C. 21.....	1470		3	34.1	3	48.3	3	47.2	3	35.7	3	36.2	40.3	129.3
Gartons.....	7016													126.1
Spartan.....	5027										3	32.3		129.0
Minnesota 462 X											3	38.8		
Peatland.....	7010	II-31-15									3	37.1		156.5
Do.....	7011	II-31-19									3	42.8		180.6
Do.....	7012	II-31-25									3	31.6		133.3
Do.....	7013	II-31-37									3	37.6		158.6
Do.....	7014	II-31-39									3	37.3		157.4
Mars.....	7015	II-31-45									3	41.9		176.8
Glabron.....	4577		3	33.4	3	39.8	3	41.4	3	42.2				118.7
Trebi.....	936		3	39.0	3	37.5	3	56.3	3	43.9				133.8
Ioglos.....	6239		3	58.6	3	34.1	3	43.8	3	45.9				115.8
Oderbrucker.....	4666		3	28.4	3	25.7			3					98.5
Odessa.....	182		3	35.5	3	35.1								128.6
Lion X Manchuria	6001		3	29.6										117.5
Grand Rapids:														
Manchuria ¹	2330		3	24.1	3	19.8	3	30.2	3	36.0	3	31.2	28.3	100.0
Peatland.....	5267		3	45.5	3	16.8	3	26.8	3	39.4	3	37.2	33.1	117.3
Velvet.....	4252		3	25.5	3	16.6	3	38.4	3	44.5	3	48.2	34.6	122.6
Wisconsin Barbless	5105		3	33.8			3	49.7	3	60.7	3	49.5		159.4
Spartan.....	5027										3	36.6		117.3
Minnesota 462 X														
Peatland.....	7010	II-31-15									3	42.0		134.6
Do.....	7011	II-31-19									3	26.1		83.7
Do.....	7012	II-31-25									3	37.7		120.8
Do.....	7013	II-31-37									3	33.6		107.7
Do.....	7014	II-31-39									3	26.3		84.3
Mars.....	7015	II-31-45									3	39.7		127.2
Glabron.....	4577		3	21.3	3	16.1	3	32.8	3	43.3				103.1
Trebi.....	936		3	32.7	3	19.0	3	42.7	3	58.7				139.1
Ioglos.....	6239		3	58.6	3	15.2	3	30.0	3	41.9				101.3
Oderbrucker.....	4666		3	22.4	3	17.6								91.1
Odessa.....	182		3	38.3										158.9
Lion X Manchuria	6001		3	27.1										112.4
Duluth:														
Manchuria ¹	2330		3	12.3	3	30.0	3	35.9	3	28.9	3	20.5	25.5	100.0
Peatland.....	5267		3	27.9	3	28.5	3	33.5	3	29.3	3	29.6	29.8	116.6
Velvet.....	4252		3	14.0	3	27.7	3	39.0	3	29.0	3	27.8	27.5	107.8
Wisconsin Barbless	5105		3	11.6	3	36.3	3	45.4	3	38.3	3	32.6	32.8	128.7
Spartan.....	5027								3	25.9	3	21.5		96.0
Minnesota 462 X														
Peatland.....	7010	II-31-15									3	30.6		149.3
Do.....	7011	II-31-19									3	32.9		160.5
Do.....	7012	II-31-25									3	32.4		158.0
Do.....	7013	II-31-37									3	35.5		173.2
Do.....	7014	II-31-39									3	30.6		149.3
Mars.....	7015	II-31-45									3	36.0		175.6
Glabron.....	4577		3	19.8	3	24.2	3	30.5	3	29.9				97.5
Trebi.....	936		3	20.5	3	27.6	3	49.4	3	39.8				128.2
Ioglos.....	6239		3	58.6	3	28.4	3	43.1	3	32.1				109.3
Oderbrucker.....	4666		3	7.4	3	26.5								80.1
Odessa.....	182		3	20.3										165.0
Lion X Manchuria	6001		3	12.4										100.8

¹ Standard with which other varieties are compared for comparable years.