

Comparative Studies of Commercial and Station Corn Hybrids for Maturity as Determined by Moisture Percentages at Husking

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Accepted for publication January 4, 1943

Comparative Studies of Commercial and Station Corn Hybrids for Maturity as Determined by Moisture Percentages at Husking¹

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COMMERCIAL and experiment station hybrids that had been registered for sale in each maturity zone for the 1941 seed crop were grown in trial plots in 1942 to compare moisture percentages at husking, as this comparison seems the most desirable one that can be made to determine the adaptability of hybrids to the various corn growing regions of Minnesota.

At each location three replications were made. Each plot was harvested separately and moisture percentages at harvest were determined. Data from two or more trials within a region were averaged and a least significant difference in moisture percentage was calculated to give odds of 19:1 that a difference as great as this was a true difference. This difference was used to set up classes for moisture percentages at husking with the class centers differing by the least significant difference. Minhybrids of known maturity were used to establish the classes, class 1, as a rule, being the class that usually would mature satisfactorily in the zone. A difference of one or two times the least significant difference, considering its size, was given a value equal to two days in

maturity as this agreed well with the spread between hybrids known to be adapted to a zone and others known to be too late usually for the zone.

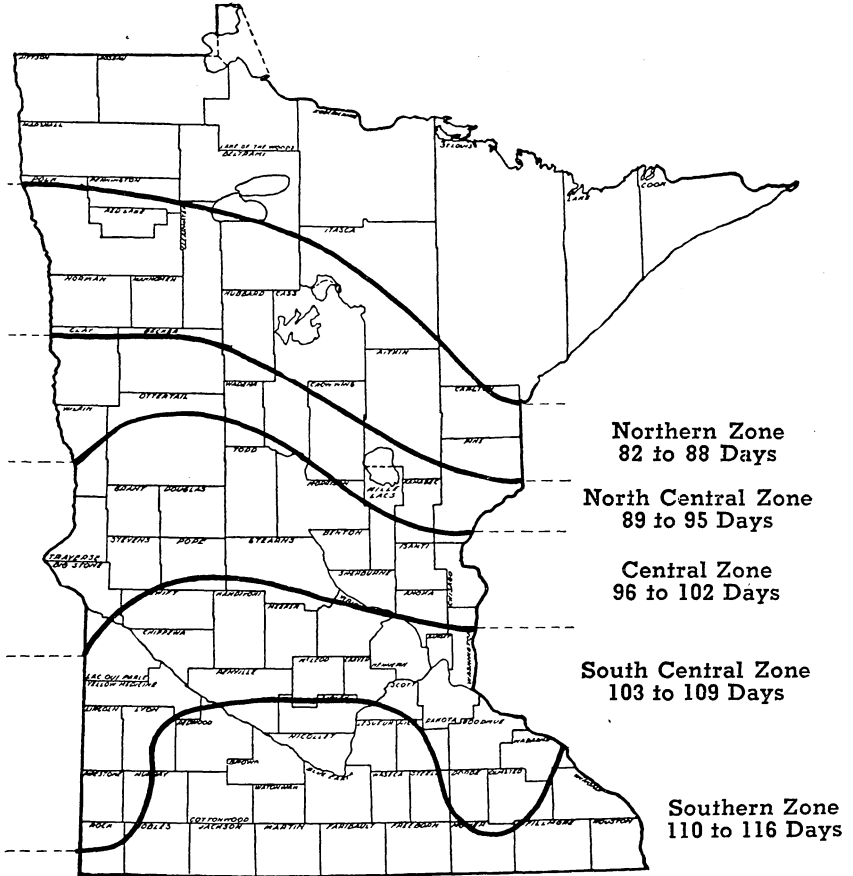
During the period of classification the hybrids, except for those grown as checks, were designated only by entry number and their identity was not known until after the classification was completed. A map of the five maturity zones is included. An index is given containing the name of the producer and the shorter designation used in the tables. Results are summarized in five tables.

Table 1 includes hybrids registered for sale in the Southern Zone for the 1941 seed crop and tested in Faribault, Fillmore, and Murray counties in 1942. Minhybrids 403 and 405 were grown in each block. Minhybrid 403 had an av-

¹ Acknowledgment is made to the State Department of Agriculture, Dairy, and Food for aid in financing the labor costs of seed preparation, planting, and harvesting the crop. The department assisted also in collecting samples from seed stocks offered for sale. The Minnesota Agricultural Experiment Station assumes entire responsibility for the analysis of the data.

² Members of the Minnesota Agricultural Experiment Station Corn Committee; H. K. Hayes, chairman.

MATURITY ZONES



Zones Indicate the Approximate Number of Days Growing Season That May Be Expected from Emergence after Planting to Maturity, the Stage of Being Well Denting before a Killing Frost.

average moisture content of 26.0 per cent at husking and Minhybrid 405 averaged 27.7 per cent. The average moisture content of these two standard hybrids was 26.9 per cent, which was used as the class center of class 1. The hybrids tested in a zone were arranged in the order of their moisture percentage. A large proportion of the hybrids tested in the Southern Zone are much later in maturity than Minhybrid 405 which in station trials seems well adapted to the Southern Zone. Of 205 hybrids tested,

109 were given maturity ratings above 116 days. These 109 hybrids are in maturity classes 5 to 10 inclusive.

Table 2 includes hybrids registered for sale in the South Central Zone and tested in Lac qui Parle, Meeker, and Goodhue counties in 1942. In these trials Minhybrids 301 and 500 were grown in each block as checks. Minhybrid 403 was grown in the trials as it usually has a higher percentage of moisture at husking than Minhybrid 301. In these trials Minhybrid 301 and

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Designation in Tables	Producer
Brookfield.....	Brookfield Seed Co.
Crystal.....	Cargill Inc., Seed Division
DeKalb.....	DeKalb Agricultural Association
Farmers.....	Farmers Hybrid Seed Corn Co.
Funk.....	Funk Bros. Seed Co.
Gold Seal.....	Cargill Inc., Seed Division
Haapala.....	Levi Haapala & Sons
H. Field.....	Henry Field Seed Co.
Iowearth.....	Michael-Leonard Co.
Jacques.....	Jacques Seed Co.
Kingscrosst.....	Northrup King & Co.
Lammers.....	Henry Lammers
Lowe.....	Lowe Seed Co.
Master.....	Farmer Seed & Nursery Co.
McNeilly.....	J. R. McNeilly
Minhybrid.....	Minn. Agr. Exp. Station
Minn. Seed Co.....	Minnesota Seed Co.
Mullins.....	Mullins Hybrid Corn Co.
Northrup King.....	Northrup King & Co.
Parcauts.....	Frank Parcaut
Pfister.....	Pfister Associated Growers, Inc.
Pioneer.....	Pioneer Hi-Bred Corn Co.
Pointer.....	Nelson-Lenhardt Co., Inc.
Reid-Bred.....	Reid Hybrid Corn Co.
Reid-Midland.....	Reid Hybrid Corn Co.
Reid-National.....	Reid Hybrid Corn Co.
Thompson.....	Thompson Hybrid Corn Co.
Todd.....	Lester Todd & Sons
Turner.....	Turner Hybrid Seed Co.
Twin City Seed.....	Twin City Seed Co.
Vinton.....	Vinton Hybrid Corn Co.
Wisconsin.....	Wisconsin Agr. Exp. Station

500 were used to establish class 1. Eighty-five hybrids were tested of which 34, placed in maturity classes 3 to 5, inclusive, were too late to be well adapted in the South Central Zone.

Table 3 includes hybrids registered for sale in the Central Zone which were tested in 1942 in Isanti and Otter Tail counties. Minhybrids 600 and 604 were used as checks and grown in each block. In addition Minhybrid 500, which is considered well adapted for the South Central Zone, was included. Fifteen of the 56 hybrids tested were placed in maturity classes 3 to 5 inclusive and are considered to be too late in maturity for the Central Zone.

Table 4 includes hybrids registered

for the North Central Zone while table 5 includes hybrids registered for the Northern Zone. These two groups of hybrids were tested in three locations in 1942—Norman County in the Northern Zone, Wilkin County in the North Central Zone, and Otter Tail County in the Central Zone. Minhybrid 800, believed to be relatively well adapted in the Northern Zone, and Minhybrid 700, adapted to the North Central Zone, were included in the trials. Minhybrid 600, adapted to the northern part of the Central Zone, and Minhybrid 604, to the southern part of the Central Zone, were grown also.

Forty-four hybrids were registered in the North Central Zone (see

table 4). Twenty-seven proved well adapted to this zone and 17 appeared undesirably late in maturity. Of these, five were placed in the same maturity class as Minhybrid 600, seven were placed in the same maturity class as Minhybrid 604, and three were placed

in a higher class for moisture content than Minhybrid 604.

Ten of the 21 hybrids registered in the Northern Zone (see table 5) were considerably later in maturity than Minhybrid 800, which is not as early in maturity as desirable in this zone.

Table 1. Corn Hybrids Registered for Sale in the Southern Zone and Tested in Faribault, Fillmore, and Murray Counties in 1942

Maturity Class	Variety Name	Average Per cent Moisture	Maturity rating in days Minn. Expt. Station		
Class -1 (24.7-26.1 per cent)	Minhybrid 301	25.0	107-111		
	Minhybrid 403	26.0			
	Minhybrid 404	26.0			
Class 1 (26.2-27.6 per cent)	Jacques Kow Salad No. 2	26.2	109-113		
	Pioneer Hi-Bred 370	26.3			
	Twin City Seed D54	26.8			
	Iowealth W16	27.0			
	Wisconsin 584	27.2			
	Brookfield No. 76	27.2			
	Reid-National 99	27.2			
	Jacques 1125	27.3			
	Reid-National 116W	27.5			
	Haapala Silo No. 30	27.6			
	Jacques 1102J	27.6			
	Iowealth AP	27.6			
	Class 2 (27.7-29.1 per cent)	Minhybrid 405		27.7	111-115
		Pioneer 373		27.8	
Reid-National 112 ₂		28.0			
Jacques 1108J		28.1			
Wisconsin 550		28.2			
Brookfield No. 74		28.5			
Twin City Seed Silo Fodder Blend No. 4		28.5			
Master F 105		28.6			
Jacques 1104J		28.6			
Wisconsin 606		28.7			
Pioneer Hi-Bred 353A		28.9			
Lowe M-L2W		28.9			
Wisconsin 645		29.0			
Haapala 204		29.0			
Jacques 1107		29.0			
Wisconsin 570		29.1			
Turner N15		29.1			
Class 3 (29.2-30.6 per cent)	Funk G-18	29.2	113-117		
	Wisconsin 603	29.3			
	Twin City Seed B58	29.3			
	Northrup King Med. Blend	29.4			
	Gold Seal 110	29.5			
	Mullins Silage Corn	29.6			
	Reid-National 110	29.7			
	Reid-National 110 ₂	29.7			
	H. Field 116R	29.7			
	Jacques 1103	29.8			
	Jacques 1151	29.8			
	Iowealth A	29.8			

Table 1. Corn Hybrids in the Southern Zone (Continued)

Maturity Class	Variety Name	Average Per cent Moisture	Maturity rating in days Minn. Expt. Station
Class 3 (Continued)			
	Mullins 931	29.8	113-117
	Pioneer Hi-Bred 315.....	29.8	
	Iowearth 110 day.....	29.9	
	Lammers Iowa Hybrid 931.....	29.9	
	Pioneer Hi-Bred 353.....	30.0	
	DeKalb Exp. 42.....	30.2	
	Farmers 304A	30.3	
	Wisconsin 648	30.3	
	Crystal Silage 110 day.....	30.4	
	Brookfield No. 77.....	30.5	
	Funk G-7	30.5	
	Haapala 135	30.6	
	Thompson 26	30.6	
	Wisconsin 585	30.6	
Class 4 (30.7-32.1 per cent)			
	Farmers Hybrid 388.....	30.8	115-119
	Gold Seal 115.....	30.8	
	DeKalb 410	30.8	
	Wisconsin 625	31.0	
	Mullins N15	31.0	
	Reid-National 114s	31.0	
	Pioneer Hi-Bred 324.....	31.0	
	H. Field 116L	31.0	
	Wisconsin 676	31.1	
	Wisconsin 640	31.1	
	Brookfield No. 87.....	31.1	
	Jacques Kow Salad No. 3.....	31.1	
	Kingscrot KR2	31.1	
	Pioneer Hi-Bred 352.....	31.1	
	Parcauts C-2	31.1	
	Master F100	31.2	
	McNeilly 942	31.2	
	Parcauts Special	31.2	
	H. Field 116N.....	31.2	
	Reid-Bred F0	31.3	
	Jacques 1155J	31.4	
	Reid-National 112	31.4	
	Thompson 36	31.4	
	Pioneer Hi-Bred 322.....	31.6	
	Pfister 266	31.6	
	DeKalb 405	31.7	
	Master F101	31.7	
	Pfister 268	31.7	
	Mullins J25	31.8	
	Turner N15B	31.8	
	McNeilly 1942	31.8	
	Parcauts 942	31.8	
	Haapala 116	31.9	
	Lowe M-L24	31.9	
	Wisconsin 690	32.0	
	Kingscrot KR1	32.0	
	DeKalb 202	32.1	
	DeKalb 404A	32.1	
	Reid-National 114	32.1	
Class 5 (32.2-33.6 per cent)			
	Kingscrot FK	32.2	117-121
	Thompson 27	32.2	
	DeKalb 421	32.3	
	Pfister 260	32.3	
	Lammers Iowa Hybrid 939.....	32.3	

Table 1. Corn Hybrids in the Southern Zone (Continued)

Maturity Class	Variety Name	Average Per cent Moisture	Maturity rating in days Minn. Expt. Station
Class 5 (Continued)			
	Parcauts 432	32.3	117-121
	Jacques 1206J	32.4	
	Turner N15A	32.4	
	McNeilly 1940	32.5	
	McNeilly 939	32.5	
	Thompson 45	32.5	
	Lowe M-L16	32.5	
	Wisconsin 696	32.6	
	Jacques 1203J	32.6	
	Funk G-114	32.6	
	Jacques 1204	32.6	
	Wisconsin 680	32.7	
	Iowearth No. 3	32.7	
	Mullins J30	32.7	
	Reid-National 110A1	32.7	
	Vinton V32	32.7	
	Turner L103	32.8	
	McNeilly 1944	32.8	
	McNeilly 1951A	32.8	
	Parcauts 206	32.8	
	Wisconsin 694	32.9	
	Funk G-27	32.9	
	Iowearth AF11	32.9	
	Mullins 939	32.9	
	Funk G-19	33.0	
	Kingscrot KY	33.0	
	Northrup King Late Blend	33.0	
	Turner 939	33.0	
	Pioneer Hi-Bred 330	33.0	
	DeKalb 204	33.1	
	DeKalb 615	33.1	
	DeKalb 504	33.1	
	Jacques 1154	33.1	
	Reid-National 117R	33.1	
	Pfister 360	33.1	
	Lowe M-L18	33.1	
	Funk G-15	33.2	
	Twin City Seed D73	33.2	
	Vinton 939	33.2	
	Parcauts C-1	33.2	
	Funk G-22	33.3	
	Iowearth 16	33.3	
	Pfister 366	33.3	
	Thompson 52	33.3	
	Vinton 942	33.3	
	Parcauts 939	33.3	
	Jacques 1205J	33.4	
	Kingscrot FB	33.4	
	Twin City Seed D75	33.4	
	Pfister 380	33.4	
	Pfister 280	33.5	
	Pfister 368	33.5	
	H. Field 116	33.5	
	Thompson 47	33.5	
	McNeilly 3088	33.5	
	Parcauts A-1	33.6	
	Reid-National 114 ₂	33.6	
	Parcauts 118	33.6	
	Wisconsin 701	33.6	

Table 1. Corn Hybrids in the Southern Zone (Continued)

Maturity Class	Variety Name	Average Per cent Moisture	Maturity rating in days Minn. Expt. Station
Class 6 (33.7-35.1 per cent)	Master Silage F106.....	33.7	119-123
	Reid-National 115 ₁	33.7	
	Reid-Bred SI	33.7	
	Funk G-55	33.8	
	Kingscrot L5	33.8	
	Funk G-29	33.8	
	Farmers 427	33.8	
	Master F102	33.9	
	Iowealth 114 day.....	33.9	
	Wisconsin 692	33.9	
	Parcauts Golden King	33.9	
	Iowealth 117 day	34.0	
	Reid-Bred E1	34.0	
	Thompson 76	34.0	
	Wisconsin 695	34.1	
	Mullins N14	34.1	
	Reid-National 117 ₁	34.1	
	McNeilly 751	34.1	
	Thompson 46	34.1	
	H. Field 116S	34.1	
	DeKalb 422	34.2	
	Reid-National 116R	34.2	
	McNeilly 1977	34.2	
	Iowealth No. 4	34.3	
	Kingscrot KZ	34.3	
	Twin City Seed D72	34.3	
	Turner N14	34.3	
	Lowe M-L14	34.3	
	Iowealth BC4	34.4	
	DeKalb 601	34.5	
	Funk G-28	34.6	
	Iowealth AQ	34.6	
	Reid-National 116	34.6	
	DeKalb 607	34.7	
	DeKalb 606	34.8	
	Reid-National 118R	34.9	
	Reid-National 117	35.1	
Class 7 (35.2-36.6 per cent)	Iowealth 25	35.2	121-125
	DeKalb 639	35.3	
	Funk G-66	35.4	
	Funk G-16	35.4	
	McNeilly 1940A	35.6	
	Reid-National 118	36.0	
	McNeilly SK	36.2	
Class 8 (36.7-38.1 per cent)		123-127
Class 9 (38.2-39.6 per cent)		125-129
Class 10 (39.7-41.1 per cent)	Reid-Midland	39.7	127-131

Table 2. Corn Hybrids Registered for Sale in the South Central Zone and Tested in Goodhue, Lac qui Parle, and Meeker Counties in 1942

Maturity Class	Variety Name	Average Per cent Moisture	Maturity rating in days Minn. Expt. Station
Class -2 (30.3-32.0 per cent)	Northrup King Early Blend	31.8	101-105
Class -1 (32.1-33.8 per cent)	Brookfield No. 52	32.3	103-107
	Minhybrid 501	32.3	
	Minhybrid 502	32.6	
	Brookfield No. 61	33.2	
	Master F80	33.3	
	Master F81	33.4	
	Parcauts Turner E4	33.5	
	Iowearth W12	33.8	
Class 1 (33.9-35.6 per cent)	Jacques Kow Salad 1051	33.9	105-109
	Brookfield No. 55	34.1	
	Jacques Kow Salad 1050J	34.1	
	Pioneer Hi-Bred 365	34.1	
	Haapala 202	34.2	
	Pioneer Hi-Bred 355	34.2	
	Minhybrid 301	34.4	
	Brookfield No. 69	34.5	
	Reid-National 90	34.5	
	Turner E4	34.5	
	Jacques Kow Salad No. 1	34.6	
	Wisconsin 531	34.8	
	Minhybrid 403	34.9	
	Kingscrost M	34.9	
	Minhybrid 500	35.0	
	Brookfield No. 50	35.1	
	Gold Seal 105	35.2	
	DeKalb 78	35.2	
	Master F82	35.2	
	Pointer No. 350	35.2	
	Pioneer Hi-Bred 358	35.3	
	Brookfield No. 66	35.5	
	Brookfield No. 63	35.5	
Class 2 (35.7-37.4 per cent)	Haapala Hybrid Silo No. 20	35.7	107-111
	Wisconsin 526	35.7	
	Twin City D43	35.7	
	Twin City C39	35.8	
	Twin City C53	35.8	
	Twin City B45	35.9	
	Wisconsin 525	36.1	
	Kingscrost M2	36.1	
	Minn. Seed Co. V150	36.1	
	Pioneer Hi-Bred 367	36.1	
	Mullins E4	36.2	
	Haapala 115	36.4	
	Reid-National 107W	36.5	
	Pointer No. 270	36.6	
	DeKalb 242	37.0	
	Reid-National 105	37.0	
	Kingscrost KN1	37.3	
	Jacques Weatherproof No. 3	37.4	
	Vinton V-25	37.4	
Class 3 (37.5-39.2 per cent)	Kingscrost KN2	37.5	109-113
	DeKalb 240	37.7	
	Twin City D56	37.7	

Table 2. Corn Hybrids in the South Central Zone (Continued)

Maturity Class	Variety Name	Average Per cent Moisture	Maturity rating in days Minn. Expt. Station
Class 3 (Continued)			
	Jacques Weatherproof No. 2	37.8	109-113
	DeKalb 201	38.1	
	H. Field 100S	38.3	
	Iowearth S	38.5	
	Crystal Silage 105 day	38.6	
	Haapala 123	38.6	
	Pointer No. 275	38.7	
	Funk G-11	38.8	
	H. Field 100R	38.8	
	DeKalb Exp. 21	39.0	
	Reid-Bred VE	39.0	
	Pfister 274	39.1	
	Reid-National 104	39.2	
Class 4 (39.3-41.0 per cent)			
	Reid-National 104W	39.3	111-115
	Twin City Silo Fodder Blend No. 3	39.5	
	Vinton V24	39.5	
	McNeilly 931	39.6	
	Todd Hybrid Silo	39.8	
	Funk G-12	39.9	
	Reid-Bred TN	40.0	
	Pfister 374	40.7	
	Reid-National 110 ₁	40.8	
	Funk G-9	41.0	
Class 5 (41.1-42.8 per cent)			
	DeKalb 493	41.1	113-117
	Parcauts 931	41.1	
	Iowearth No. 2	41.4	
	Mullins E5	41.5	
	Turner E7A	41.6	
	Mullins J20	42.0	
	Mullins E7A	42.2	
	Turner E7B	42.2	

Table 3. Corn Hybrids Registered for Sale in the Central Zone and Tested in Otter Tail and Isanti Counties in 1942

Maturity Class	Variety Name	Average Per cent Moisture	Maturity rating in days Minn. Expt. Station		
Class -2 (35.9-37.2 per cent)	Haapala Hybrid Silo No. 10.....	36.3	93-97		
	Minhybrid 401	36.7			
Class -1 (37.3-38.6 per cent)	Kingscrot A6	37.3	95-99		
	Minhybrid 600	38.3			
	Kingscrot A7	38.4			
	Minhybrid 602	38.5			
Class 1 (38.7-40.0 per cent)	Wisconsin 453	38.7	97-101		
	Master F60	38.7			
	Minn. Seed Co. V170	38.7			
	Twin City Seed D33	38.8			
	Wisconsin 404	39.0			
	Brookfield No. 48	39.1			
	Minhybrid 601	39.1			
	Jacques 1003J	39.1			
	Kingscrot KS2	39.2			
	Minnesota Seed Co. V172	39.3			
	Northrup King Early Blend	39.4			
	Brookfield No. 54	39.6			
	Wisconsin 406	39.6			
	Minn. Seed Co. Improved V170	39.6			
	Twin City Seed B38	39.8			
	Wisconsin 456	39.9			
	Master F61	39.9			
	Kingscrot D	39.9			
	Twin City Seed D36	39.9			
	Jacques 1001J	40.0			
	Class 2 (40.1-41.4 per cent)	Wisconsin 460		40.1	99-103
		Minn. Seed Co. V171		40.1	
		Twin City Seed D33-A		40.1	
Kingscrot D-4		40.2			
Minhybrid 603		40.2			
Minhybrid 604		40.3			
Twin City Seed D32		40.4			
Minhybrid 500		40.5			
Jacques Weatherproof No. 1		40.5			
Haapala 360		40.5			
Twin City Seed B35		40.5			
Wisconsin 455		40.7			
Gold Seal 100		40.7			
Brookfield No. 44		41.0			
Kingscrot KS3	41.4				
Class 3 (41.5-42.8 per cent)	Funk G-6	41.6	101-105		
	Reid-National 95	42.0			
	DeKalb 302	42.1			
	Kingscrot KS1	42.1			
	Parcauts E5	42.4			
	lowealth 100	42.6			
	Twin City Seed Silo Fodder Blend No. 2	42.6			
	Reid-National 98	42.8			
Class 4 (42.9-44.2 per cent)	Funk G-2	43.1	103-107		
	Funk G-1	43.7			
Class 5 (44.3-45.6 per cent)	H. Field 100	44.3	105-109		
	Lowe M-L19	44.4			
	Lowe M-L15	44.6			
	H. Field 100L	45.2			
	H. Field 100N	45.6			

Table 4. Corn Hybrids Registered for Sale in the North Central Zone and Tested in Norman, Otter Tail, and Wilkin Counties in 1942

Maturity Class	Variety Name	Average Per cent Moisture	Maturity rating in days Minn. Expt. Station
Class —1 (33.0-34.1 per cent)	Master F40	33.3	85-89
	Haapala 354	34.0	
Class 1 (34.2-35.3 per cent)	Minhybrid 702	34.3	88-92
	Minn. Seed Co. V125	34.4	
	Iowearth No. 1	34.4	
	Minhybrid 701	34.6	
	Brookfield No. 40	34.7	
	Minhybrid 700	34.8	
	Kingscrot KE1	34.8	
	Twin City Seed B15	34.8	
	Iowearth 90	35.1	
	Brookfield No. 33	35.2	
	Twin City Seed B17	35.3	
Class 2 (35.4-36.5 per cent)	Jacques 904	35.4	91-95
	Wisconsin 330	35.6	
	Wisconsin 355	35.8	
	Jacques 956	35.8	
	Wisconsin 335	35.9	
	Jacques 955J	35.9	
	Jacques 907	35.9	
	Jacques 956J	35.9	
	Gold Seal 90 day	36.0	
	Jacques 906	36.1	
	Brookfield No. 35	36.1	
	Wisconsin 325	36.2	
	Wisconsin 350	36.5	
	DeKalb 66	36.5	
	Class 3 (36.6-37.7 per cent)	Wisconsin 410	
Jacques 901J		36.7	
Wisconsin 400		36.7	
Jacques 951J		37.0	
Gold Seal 95		37.3	
Minhybrid 600		37.7	
Class 4 (37.8-38.9 per cent)	Twin City Seed B23	37.8	97-101
	Wisconsin 416	37.8	
	H. Field 90S	38.1	
	H. Field 90N	38.3	
	Wisconsin 420	38.3	
	Minhybrid 604	38.4	
	H. Field 90L	38.5	
	DeKalb 80	38.9	
Class 5 (39.0-40.1 per cent)	H. Field 90R	39.0	100-104
	Twin City Seed Silo Fodder Blend No. 1	39.2	
	H. Field 90	39.9	

Table 5. Corn Hybrids Registered for Sale in the Northern Zone and Tested in Norman, Otter Tail, and Wilkin Counties in 1942

Maturity Class	Variety Name	Average Per cent Moisture	Maturity rating in days Minn. Expt. Station
Class —3 (29.4-30.5 per cent)	Jacques 802	29.7	82-86
Class —2 (30.6-31.7 per cent)	Wisconsin 255	30.6	82-86
Class —1 (31.8-32.9 per cent)	Minhybrid 402	32.2	82-86
	Wisconsin 240	32.8	
Class 1 (33.0-34.1 per cent)	Twin City Seed B-3	33.0	85-89
	Wisconsin 279	33.1	
	H. Field 85.R	33.4	
	Minhybrid 800	33.5	
	Brookfield Minhybrid 402	34.0	
	H. Field 85L	34.0	
	Master F-20	34.1	
Class 2 (34.2-35.3 per cent)	H. Field 85	34.2	88-92
	Jacques 853	34.4	
	Minhybrid 700	34.8	
	Wisconsin 275	35.0	
	Jacques 852	35.0	
	Kingscrot KE-2	35.3	
Class 3 (35.4-36.5 per cent)	Brookfield No. 27	35.5	91-95
	Brookfield No. 22	36.1	
	Minn. Seed Co. V100	36.1	
Class 4 (36.6-37.7 per cent)			
Class 5 (37.8-38.9 per cent)	Twin City Seed C-8	37.8	97-101