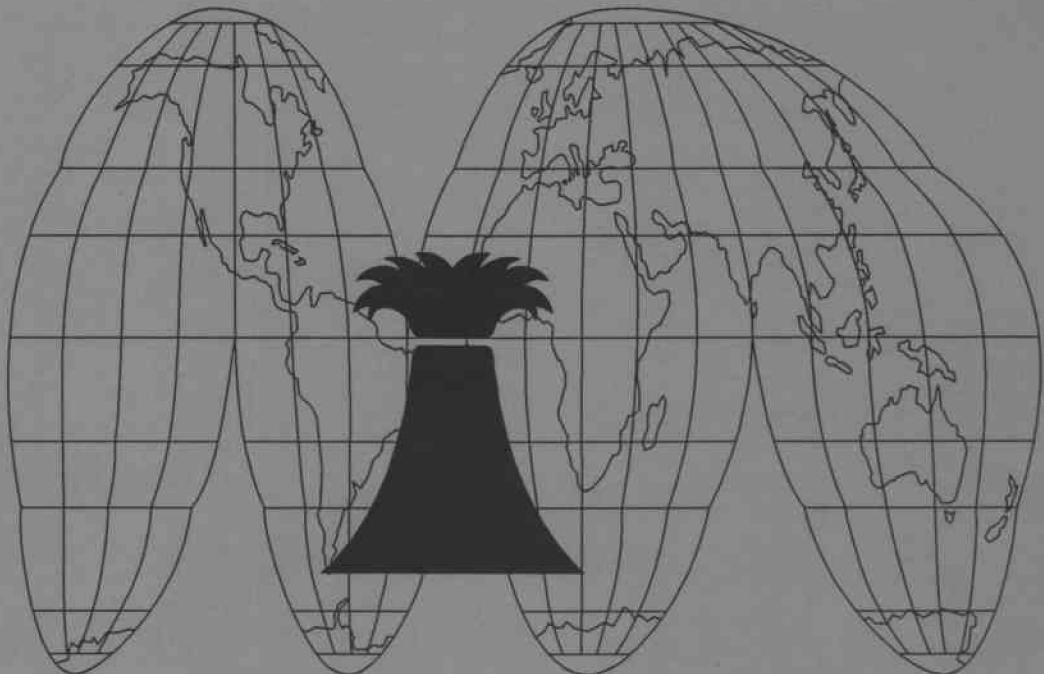


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Results of the Sixteenth International Early Maturing Winter X Spring Wheat Screening Nursery (1992 - 1993)



Special Report 937
Volume (16) 1

Agricultural Experiment Station
Oregon State University, Corvallis

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Agricultural Experiment Station
Oregon State University
Special Report 937

July 1994

Results of the Sixteenth International Early Maturing Winter X Spring Wheat Screening Nursery (1992-1993)

About This Report

This publication, Oregon Agricultural Experiment Station Special Report 937 reports the results of the 16th international *early* maturing winter x spring wheat screening nursery. It is identified as volume 16(1). Oregon Agricultural Experiment Station Special Report 938 is a companion publication, designed as volume 16(2). It reports the results of the 16th international *late* maturing winter x spring wheat screening nursery.

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INTRODUCTION

Since the inception of the screening nursery in 1973, Oregon State University has closely coordinated the development of germplasm with the International Center for Improvement of Maize and Wheat (CIMMYT). This has included exchange of winter and spring wheat parents, F_1 , and early generation populations, data on this germplasm, and personnel from both institutes. The CIMMYT objectives have been to provide spring-type cereal germplasm to cooperating programs throughout the world and provide short-term training for scientists from these programs as requested. The OSU objectives are to provide winter and intermediate-type wheat germplasm to the colder and higher elevation cereal regions worldwide, and provide graduate training for scientists from Less Developed Countries (LDCs). The total program allows for an active exchange of diverse wheat germplasm with cooperating institutes. Approximately 2,000 wheat accessions are received and evaluated at OSU annually from cooperators in winter cereal regions of the world.

This cooperative program provides (a) a source of exchanged wheat germplasm, (b) an accumulation of agronomic and disease data, (c) occasional visits to cooperating locations by participating scientists, (d) exchange of research information, and (e) a means of identifying future students for graduate study at OSU and other institutes. The overall objective is to strengthen national programs in developing countries. This program was expanded in 1985 with the establishment of a CIMMYT winter and facultative germplasm enhancement program in Turkey. Also, an international shuttle breeding system has been established where F_3 lines selected in Oregon are sent to Turkey and Toluca, Mexico after two years of selection in these latter locations. Selected lines are returned to Oregon and distributed in the screening nursery. Lines selected under Turkish conditions are sent out in the Facultative and Winter Wheat Observation Nursery (FAWWON), and distributed by CIMMYT/Turkey to areas where short cycle winter and facultative wheats are required. At Toluca, Mexico, in addition to exposing the material to different disease complexes, selections for day-length insensitivity can also be made for earliness.

As a consequence of the survey and some encouragement as to future funding, the spring x winter enhanced wheat germplasm program was reinitiated in 1992. The same format in reporting and summarizing data will be employed. In addition, selected F_4 lines will be sent to international centers in Mexico and Turkey for further selection with promising lines evaluated in regional screening nurseries. Also, a greater effort will be placed on developing germplasm for high elevation winter and facultative growing areas.

The 16th International Winter X Spring Wheat Screening Nursery represented both early and late maturing lines. The 18th screening nursery will again be divided based on material classes and will represent lines resulting from the international shuttle breeding approach. Results of the early maturity nursery are herein reported.

Nursery Locations

Cooperating countries are listed alphabetically in Table 1 along with the names of their respective stations, cooperating scientists, climatological data, and management practices. Those cooperators returning data are designated by an asterisk under the column heading DATA. The name of the local check variety is listed in the extreme right-hand column for each location.

Each cooperator has an assigned code number that is listed in Table 1 and appears on Figure 1 at the approximate location of each experimental site within the respective country.

Dates of planting, heading, and maturity vary greatly between and within certain countries. The growing season for each location receiving the nursery is listed geographically and as the total number of months (Figure 2). Elevation is also included since it influences the length of the crop season. These reported data are based on the heading date of the local check variety for each location. The locations having a length of growing season less than seven months require materials that combine characteristics of early maturity and frost tolerance.

Method of Summarizing Results

Data are reported by entry number and location code in Table 2. Data for entry 5, the local check, are tabulated for each specific location in Table 2; however, the check was used only for comparison and not included in the overall summary. Seed type (HR = Hard Red, HW = Hard White, SR = Soft Red, SW = Soft White) of each entry is listed across the entry designation. Grain yield is reported in kilograms per hectare (Kg/ha). Yield of a given entry is also listed as the percent of the local check. Seed density has been measured either as test weight recorded in kilograms per hectoliter (Kg/ha) or 1000 kernel weight in grams. Plant height is reported in centimeters (cm). Lodging is noted as the percentage of leaning or fallen tillers in the plot. Days to flowering are computed from January 1. Rust disease (*Puccinia sp.*) data are reported according to modified Cobb's scale unless otherwise indicated by the cooperator. Leaf blotch (*Septoria sp.*) and powdery mildew (*Erysiphe gr. tri.*) are reported on a zero-to-nine scale with nine being the most susceptible. Stand establishment is noted as percent of stand in the fall. Winterhardiness is noted as the percent survival recorded in the spring. The selection (lines selected) column is provided for the cooperator to note the most promising entries in the nursery. These entries may have been chosen for advancement to yield trials or for possible parental use. A number of cooperators also reported on other characteristics that are listed in the miscellaneous (MISC) column according to a code. This code can be identified by referring to the comments on the appropriate table; for example, Table 3-xx where xx refers to the location code in Table 1.

A maximum of 25 lines selected for overall agronomic performance at each location are listed in the location tables (Table 3-xx). Superior performance was determined by assigning a score based on the rank of each line for each characteristic reported. A cumulative score is calculated by multiplying each line characteristic score by the weighted percentage and summing the results. Emphasis is placed on earliness, winterhardiness, and resistance to diseases. Percentage values assigned to each of the characters can be found in Table A.

TABLE A. WEIGHTED PERCENTAGES USED IN IDENTIFYING SUPERIOR LINES IN THE SCREENING NURSERY

<u>Character</u>	<u>Weighted Percentage</u>
Yield	15
Days to Flower	30
Winterhardiness	24
Lodging	1
Disease Resistance	30
a) <i>Puccinia striiformis</i> (stripe or yellow rust)	(6)
b) <i>Puccinia recondita</i> (leaf or brown rust)	(6)
c) <i>Puccinia graminis tritici</i> (stem or black rust)	(6)
d) <i>Septoria spp.</i> (leaf blotch)	(6)
e) <i>Erysiphe graminis tritici</i> (powdery mildew)	(6)

Total 100

If a particular location (Table 3-xx) reports certain characters, for example, only yield, days to flower, and stripe rust, then these characters are weighted to determine the superior agronomic performance of the line at that location. Traits such as test weight, plant height, and stand establishment were not included in weighted percentages. Characters that were included for weighing are indicated by an asterisk (*) above the appropriate column on each location table. Information relative to the specific management of each nursery is also included, along with general comments provided by each cooperator.

Many locations returned information on several of the same characteristics for all entries. Therefore, it was possible to identify 25 lines that demonstrated superior yield potential (Table 4), earliness (Table 5), and winterhardiness (Table 6). The most disease-resistant lines were also identified at several locations for stripe rust (Table 7), leaf rust (Table 8), stem rust (Table 9), Septoria leaf blotch (Table 10), and powdery mildew (Table 11).

Tables 12, 13, and 14 identify the 25 lines of the IWSWSN that were selected for their superior performance under low (400 MM), intermediate (400 to 650 MM), and high (>650 MM) rainfall and/or irrigation, respectively. Within each of these rainfall zones, the agronomic performance of a line was evaluated on the basis of yield, earliness, winterhardiness, and disease reaction on a weighted percentage as previously noted.

RESULTS AND DISCUSSION

Data in Tables 4 through 14 provide a basis of identifying those entries that were selected for specific traits. In Table 4, 25 entries are listed based on their yield response over all locations. For example, entry 99 (6720-11//MDA38/WRM/3/MLC) varied in yield from 1,604 to 12,619 Kg/Ha over the 12 locations reporting data for this line. Information on other traits measured and the number of cooperators involved are also reported for this and other entries listed in the table. It should be emphasized that due to the limited seed supply for the small, unreplicated, observation rows in the screening nursery, yield data are largely subjective. As noted in Table A, yield is not heavily weighted in identifying superior lines for this reason. However, harvested seed from selected plots should provide adequate quantities for replicated yield trials to be conducted in the following year. As previously mentioned, similar comparisons for the other traits are found in Tables 5 through 14.

Perhaps the most interesting comparisons for the entries are found in Table 15. In this table a summary is provided based on whether or not an entry ranked in the top 15 for each of the 11 traits reported across all locations. Several entries appear quite promising. Entry 74 (PJ/HN4//GLL/3/SERI) ranked first in overall performance in the higher rainfall zone and was listed in the top 25 entries for six other traits. Entry 58 (B8021/AMBASSADOR//CARGIDOC) was second for yield in the low rainfall zone, 14th in the intermediate rainfall, and 10th in the higher rainfall, in addition to being noted for three other traits. Another superior entry is number 45 (CARGL20//CARSTEN/GIGANT), which was ranked in the top 25 for eight traits including yield in two rainfall zones. Other entries ranked for five or more traits included entries 30, 32, 37, 50, 54, 57, 64, 91, 99, and 101.

Selections Advanced

In Table 3, where the results for specific entries are tested for the various agronomic traits, those entries selected for further evaluations are noted. This information is useful in evaluating the importance to place on parental lines or specific attributes to emphasize in planning for future crossing strategies. This past year 80 lines were selected for further testing. Entry 37 was selected by four cooperators for further evaluation.

Importance of Continued Exchange of Germplasm and Information

It has been stated that genetic diversity or germplasm is the life blood of all plant improvement programs. Certainly any productive plant breeder or related plant scientist would agree with this statement. Breeders today are highly indebted to those who have preceded them in adding, in a step-wise fashion, improved genetic combinations. With concerns restricting genetic erosion, laws such as varietal protection, and political issues regarding access to germplasm, the importance of such programs as promoted by CIMMYT, ICARDA, and OSU for the enhancement and distribution of wheat germplasm is clear. Breeders have an obligation to insure that future scientists have adequate genetic diversity if further progress is to be made to produce food more efficiently. It is equally true that even with the promise offered by biotechnology and recombinant DNA, there is still no substitute for the enhancement and distribution of germplasm.

ACKNOWLEDGEMENTS

The excellent cooperation of all cooperators throughout the world who carefully evaluate the entries and return data is greatly appreciated. It is only through this continued interest and cooperation that the objectives of the nursery can be realized.

Support for the International Winter X Spring Wheat Improvement Program is provided by the United States Agency for International Development (USAID).

Figure 1. COOPERATORS RECEIVING THE 16TH ISWSWN

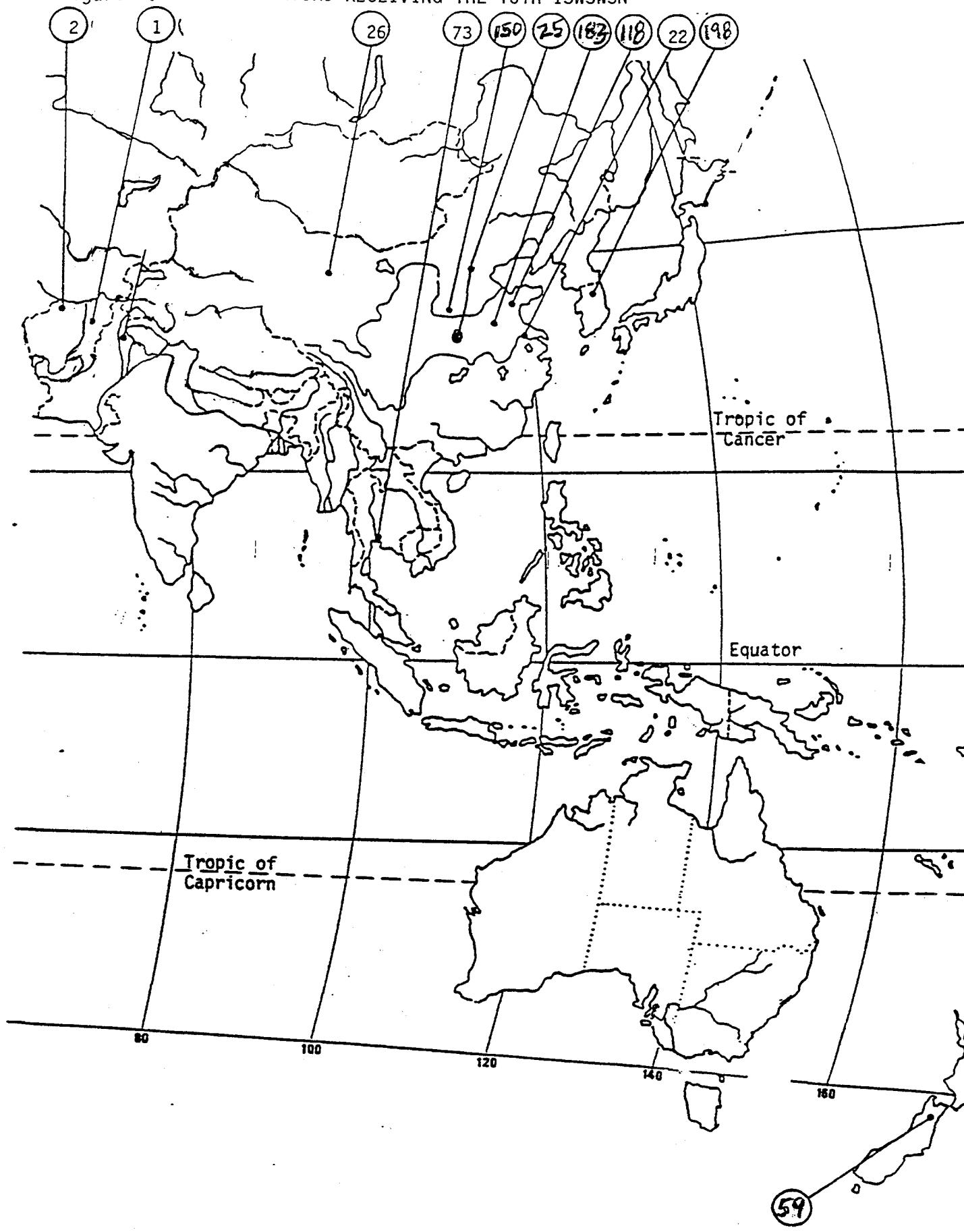


Figure 1. (cont.)

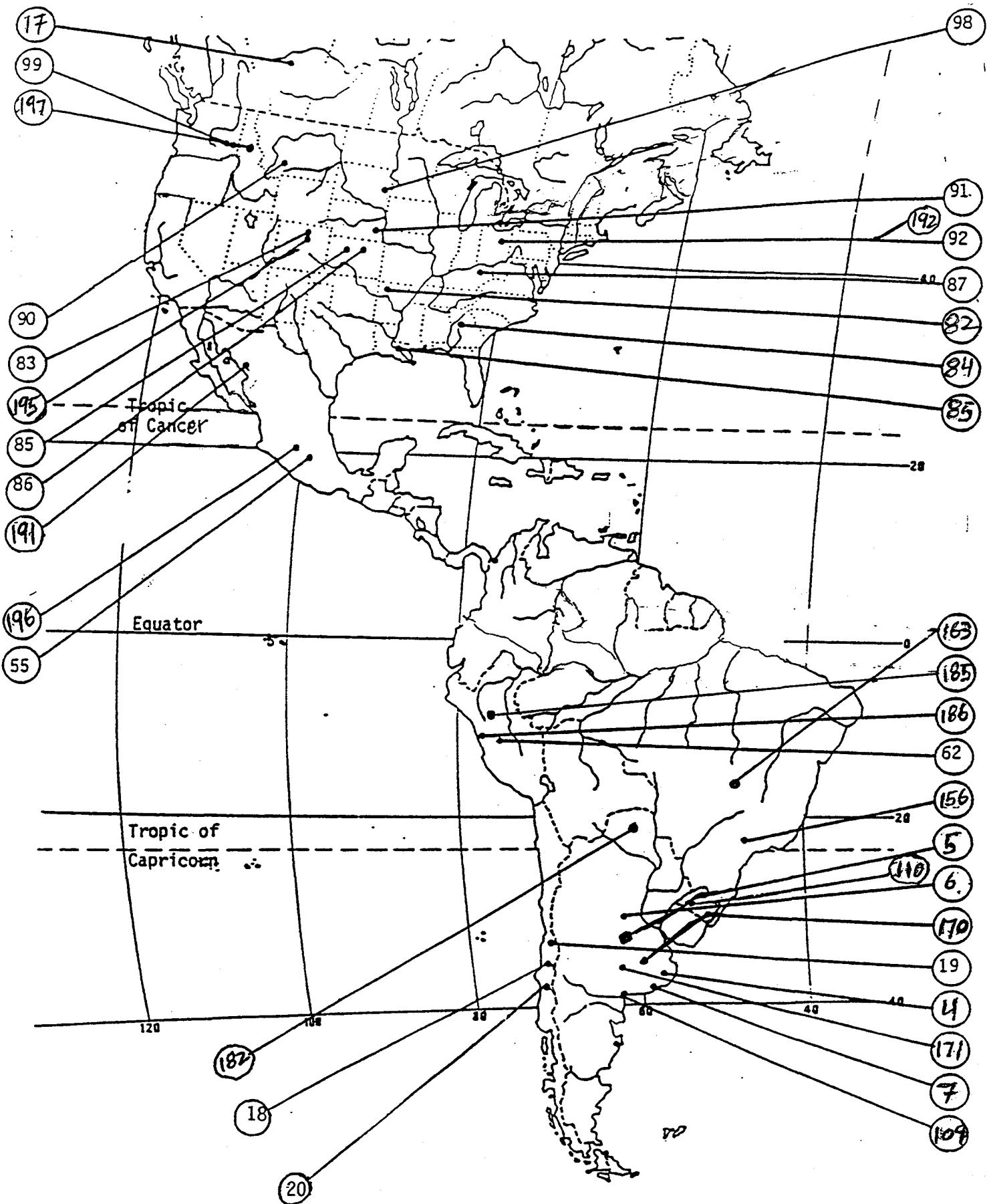


Fig. 1 (cont)

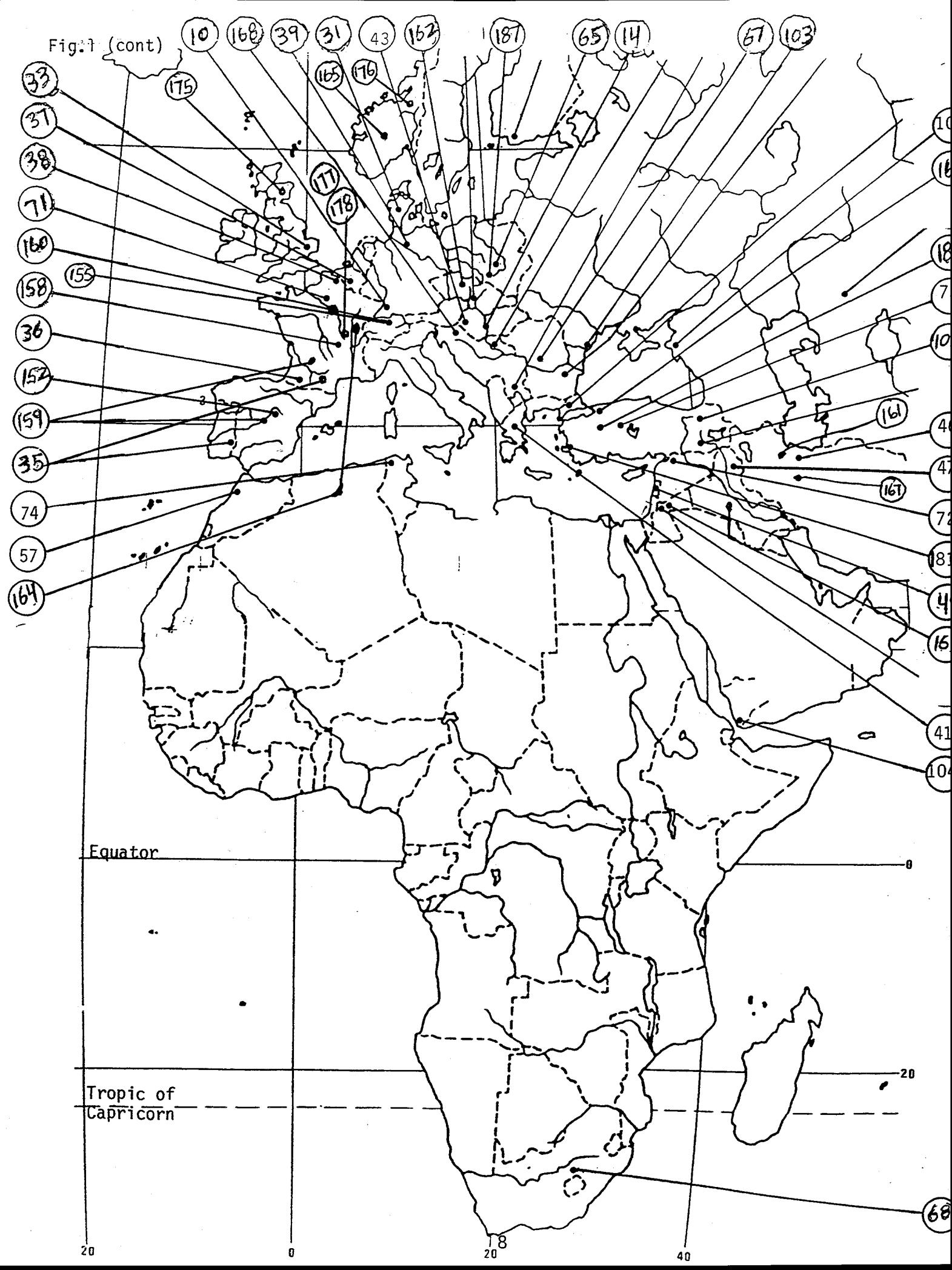


FIGURE 2. DATES OF PLANTING (P) AND HARVEST (H) FOR ALL LOCATIONS EVALUATING THE EARLY IWSWSN.

<u>LOCATIONS</u>	LENGTH OF SEASON										<u>ELEV (M)</u>								
	M	A	M	J	J	A	S	O	N	D	J	F	M	A	J	J	A	(MOS)	
Afghanistan, Kabul (1)																			
Afghanistan, Kunduz (2)																			
Argentina, Balcarce (6)																			
Argentina, Bordenave (5)	P-----										H							6.5	212
Argentina, Cargill (170)																			
Argentina, Marcos (171)																			
Argentina, Criadero (109)	P-----										H							6.5	159
Argentina, Balcarce (4)	P-----										H							5.0	130
Argentina, Buenos (7)	P-----										H							7.0	72
Brazil, Cruz Alta (110)																			
Brazil, Cruz Alta (12)	P-----										H							5.0	473
Brazil, Sao Paulo (156)																			
Brazil, Do Sol (163)	P-----																		
China, Nanjing, (22)																			
China, Jinan (118)																			
China, Yumman (183)																			
China, Taian (184)																			
China, Shaanxi (26)																			
China, Chengdu (150)	P-----																	8.0	505
China, Shandong (25)																			
Greece, Thessaloniki (41)																			
Hungary, Szeged (43)																			
Iran, Karaj (167)	P-----																	9.0	1300
Iran, Karaj (101)																			
Iran, Karaj (46)																		9.0	985
Iran, Karaj (47)																		8.0	1238
Jordan, Amman (49)																			
Lebanon, Rayak (181)																			
Mexico, Lisboa (55)																			
Morocco, Rabat (57)																			
Paraguay, Asuncion (182)																			
Syria, Damascus (72)																			
Thailand, Bangkok (73)																			
Tunisia, LeKef (74)																			
Turkey, Ankara (75)																			
Turkey, Ankara (188)																			
Turkey, Ankara (166)	P-----																	9.0	1025
USA, Arkansas (82)																			
USA, Kansas (85)																			
USA, Kansas (86)																			
USA, Texas (196)																			
USA, Texas (191)																			
USSR, Krasnodar (161)	P-----																	9.0	30
Vietnam, Hanoi (198)																			
Yemen, Dhamar (104)																			
Yugoslavia, Novi Sad (168)	P-----																	8.0	84

TABLE 1. Location of Scientists and Their Agencies Cooperating with the 16th International Winter X Spring Wheat Screening Nursery - Early Lines

CODE	COUNTRY	STATION	COOPERATOR(S)	SEASONAL						LOCAL VARIETY	DATA RETURNED
				RAINFALL MM	ELEV ZONE	LATITUDE M	LONGITUDE W	PLANTED	APPLIED		
1	Afghanistan	Ministry of Ag. & Land Reforms	Dr. M.S. Zafar	3	*	*	*				NO DATA RETURNED
2	Afghanistan	Ministry of Ag. & Land Reforms	Dr. M.S. Zafar	3	*	*	*				NO DATA RETURNED
4	Argentina	E.E.A. INTA - Balcarce	Jose Horacio Bariffi	340	2	130	37°45'S 58°18'W	08/03/92 01/15/93	150 N 50 P	B3995 *****	
5	Argentina	INTA-E.E.A. Bordenave	ING. AGR. Juan Ramon Lopez	401	1	212	37°50'S 63°01'W	7/27/92 1/15/93		Pointa Piaue *****	
6	Argentina	E.E.A. INTA Balcarce	Ing. Agr. Jose Horacio Bariffi	1	*	*	*				NO DATA RETURNED
7	Argentina	Criadero Buck		430	1	72	38°20'S 57°00'W	6/20/92 1/12/93		Buck Baual *****	
109	Argentina	Criadero - ACA	Ing R. Miranda, A. Junquera	454	1	159	38°29'S 61°54'W	5/6/92 12/26/92		Cooperacion Nani *****	
170	Argentina	Cargill, S.A.	Nestor Machado	1	*	*	*				NO DATA RETURNED
171	Argentina	E.E.A. Marcos Juarez	Carlos T. Bainotti - INTA	1	*	*	*				NO DATA RETURNED
12	Brazil	Fundo - CNPT	Research Team	730	3	473	28°38'S 53°36'W	6/20/92 11/21/92	65N 75P 75K	BR 23 *****	
110	Brazil	Fundacep Fecotrigro		3	*	*	*				NO DATA RETURNED
156	Brazil	Instituto Agronomico Carlos E. Camargo		3	*	*	*				

CODE	COUNTRY	STATION	COOPERATOR(S)	SEASONAL								LOCAL VARIETY
				RAINFALL MM	ELEV ZONE	LATITUDE M	LONGITUDE	PLANTED HARVESTED	APPLIED			
163	Brazil	Estacao Experiment Station	Fundacep/Cientec	604	2	514	29°13'S 53°40'W	04/07/92 60K	60N 75P	RS-8	WestPhalen *****	
22	China	Institute of Food Crops, Acad. of Ag. S	Cao Yang	419	1	19.4	32° N 119° E	10/21/92 6/5/93	300N 150P	Yanmai 158 *****		
25	China	Shandong Agricultural Univers	Li Anfei	159	3	150	36°15'N 117°06'E	10/11/92 7/13/93	266N 345P	Lu mei 14 *****		
26	China	Shaanxi Acad. of Ag. Sciences	Ning Kun	244	2	505	34°38'N 108°04'E	10/11/92 6/17/93	69N 104P	Shaannono 7859 *****		
118	China	Jinan	Meng Lanyu	230	1	24	36°42'W 117°04'E	10/8/92 6/15/93	150N	Lu Mai 14 *****		
150	China	Academy of Ag. Sciences	Song Hexian		3	*	*	*	*			NO DATA RETURNED
183	China	Yunnan Academy of Ag. Sciences	Director		3	*	*	*	*			NO DATA RETURNED
184	China	Ag. University of Shandong	Prof. Bao Wenyi		3	*	*	*	*			NO DATA RETURNED
41	Greece	Institute of Plant Breeding	Stylianos Stratilakis		1	10	40°38'N 22°57'W					NO DATA RETURNED
43	Hungary	Cereal Research Institute	Dr. J. Matuz		2	*	*	*	*			NO DATA RETURNED
46	Iran	Dryland Cereal Research Dept.	Nasser Banisadr		3	*	*	*	*			NO DATA RETURNED
47	Iran	Dryland Cereal Research Dept.	Nasser Banisadr		3	*	*	*	*			NO DATA RETURNED
167	Iran	Karaj	N. Banisadr, H.K. Saberi	7250	3	1300	35°50'N 50°58'E	10/20/92 7/10/93	60N 30P	Sardari *****		
49	Jordan	University of Jordan	Dr. Mahmud Duwayri		2	*	*	*	*			NO DATA RETURNED

CODE	COUNTRY	STATION	COOPERATOR(S)	SEASONAL							LOCAL VARIETY	DATA RETURNED
				RAINFALL MM	ELEV ZONE	ELEV M	LATITUDE	LONGITUDE	PLANTED	APPLIED		
181	Lebanon	Agriculture Research Institute	Dr. A. Alameddine	2	*	*	*	*				NO DATA RETURNED
55	MEXICO	ATIZAPAN, METEPEC, EDO. DE MEX	CIMMYT	447	3	2640	19°16'N	10/6/92	150N	46P	TAM 200 *****	
99°51'W							8/10/93					
57	Morocco	MOA at RA	Dr. Med. Jlibene	1	1345		34°30'N					NO DATA RETURNED
							4°40'W					
182	Paraguay	MAG/CIMMYT	Dr. M. Kohli	2	*	*	*	*				NO DATA RETURNED
72	Syria	ICARDA	Tom Payne	1	282		36°05'N					NO DATA RETURNED
							36°55'E					
73	Thailand	Agronomy Kasetsart University	Dr. Ngamchuen Ratanadilok	1	1400		17°00'N					NO DATA RETURNED
							99°00'E					
74	Tunisia	El Kef	Dr. Amor H. Yahyaoui	1	300		36°50'N					NO DATA RETURNED
							8°85'E					
75	Turkey	Improvement Program	Turkish/CIMMYT	2	*	*	*	*				NO DATA RETURNED
166	Turkey	Bahri Dagdas International Resear	Hasan Ekit, S. Ahmet Bagci	300	3	1025						Gerek, Gun91 *****
							°36'N	10/4/92	70N	70P		
							°31'E	7/20/93				
188	Turkey	Ministry of Ag.	Turkish/CIMMYT	2	*	*	*	*				NO DATA RETURNED
82	USA	University of Arkansas	Robert Bacon	3	412		36°06'N					NO DATA RETURNED
							94°10'W					
85	USA	Fort Hays Branch Exp. Station	Joe Martin	1	*	*	*	*				NO DATA RETURNED
86	USA	Agronomy Dept. - JH Hall	Rollin Sears	1	*	*	*	*				NO DATA RETURNED
191	USA		Dr. Aristeo Acosta-C	2	*	*	*	*				

CODE	COUNTRY	STATION	COOPERATOR(S)	SEASONAL								LOCAL VARIETY
				RAINFALL MM	ELEV ZONE	ELEV M	LATITUDE	LONGITUDE	PLANTED HARVESTED	APPLIED	DATA RETURNED	
196	USA	Ag. Research & Ext. Center	Dr. Dave Worrall	2	*	*	°	'				NO DATA RETURNED
101	USSR	Krasnodar Research	Lukyanenko Dr. Y. Puchov	1	*	*	°	'				NO DATA RETURNED
161	USSR	Wheat Breeding Dept.	Dr. Y. Puchov	538	1	30	45°01'E	10/19/92	60N	90P		
							38°57'N	7/14/93	60K		*****	
198	Vietnam	Ministry of Ag. & Food Industry	Director		1	*	*	°	'			NO DATA RETURNED
							*	°	'			
104	Yemen	Ag. Res. & Ext. Authority - AREA	Dr. Mohamed Al-Khawiani		1	2330	14°36'N					NO DATA RETURNED
							44°21'E					
168	Yugoslavia	Novi Sad	Dr. Srbislav Dencic	216	2	84	45°03'N	3/3/92	150N	75P	Eurooa	
							19°08'E	7/3/92	75K		*****	

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000GW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E STAND G T	WINTER HDNS (%)	LINES SELECTED (%)	MISC
1 BOLAL	BOLAL										HR ID# =	1153 BOLAL		
1														
2														
4	4559	77	40.4			322				6		90		
5				130		323								
6														
7	4551	66			40	307								
12	760	20		110						3	0			
22			39.8	135			80S				5		100	
25	552	101	40.	121	80	115								
26				117	30	125	10MS	40MS						
41						124	60S	1R			5	90	100	
43														
46														
47														
49														
55				105		172								
57														
72														
73														
74														
75														
82														
85														
86														
101														
104														
109	3000	75				297								
110														
118	2923	91		130		118					2		100	
150														

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E STAND T	WINTER HDNS	LINES SELECTED (%)	MISC
156														
161	715	55	44.2	70		140		60S			50		100	
163	2062	38	27.7	80	40	280		60S	10R	5	90		90	
166				120		155								
167		89		95										
168				96		150		70S		1	1	90		
170														
171														
181														
182														
183														
184														
188														
191														
196														
198														

2	BEZOSTAJA	BEZOSTAJA									HR	ID# =	120 BEZOSTAYA
---	-----------	-----------	--	--	--	--	--	--	--	--	----	-------	---------------

1														
2														
4	4114	69	40.2			325		0		4		90		
5				100		329								
6														
7	6031	88				311								
12	460	12		85				30S	10MS	4	0			
22			34.9	115		119						5		100
25	663	121	41.4	98		127		00	5MR			1		
26				95	30	126		5MS	1R		5	3	90	100
41														
43														
46														
47														
49														

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E STAND G T	WINTER HDNS	LINES SELECTED (%)	MISC
55				90		182								
57														
72														
73														
74														
75														
82														
85														
86														
101														
104														
109	3500	87				300								
110														
118	3363	105		106		121								20
150														
156														
161	3289	255	48.6	80		142								
163	750	13	25.	75	20	298								
166						90								
167						75								
168						68								
170														
171														
181														
182														
183														
184														
188														
191														
196														
198														

3 ANZA	ANZA	HR ID# =	415 ANZA
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TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000GW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
1															
2															
4	1584	26	37.			305		0		9		90			
5				60		302									
6															
7	4773	69				321				9					
12	1954	52		65					80S	10MS	4	0			
22			28.9	72		110						7		100	
25	148	27	28.4	69		123		30MS	10MS				85	45	
26				76	30	114		5MS	1R		5	3	90	90	
41															
43															
46															
47															
49															
55				35		162									
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109	2850	71				208		15S							
110															
118				65		111							100		
150															
156															
161	429	33	47.2	55		138		00				50	100		
163	3500	65	28.8	60	10	262		80S	80S	7		90	90		
166				65		151									

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000GW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS	LINES SELECTED (%)	MISC
167		80		60											
168				41		136		5R		3	5	80			
170															
171															
181															
182															
183															
184															
188															
191															
196															
198															

4	ROUSSALKA	RSK								HR	ID# =	61	ROUSSALKA
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1															
2															
4	4725	80	36.4			318		80MS		6		90			
5				65		325									
6															
7	4440	65				298				7					
12	1400	37		85				60S	10S	3	3				
22			36.8	90		115						5			100
25	678	124	36.8	88		122	30MS	10MS				3			
26				90	30	131	1MR	1R		5	3	90		100	
41															
43															
46															
47															
49															
55				85		170									
57															
72															
73															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS	LINES SELECTED (%)	MISC
74															
75															
82															
85															
86															
101															
104															
109	3400	84				293		40S							
110															
118	3714	116		90		116					5		100		
150															
156															
161	2288	177	52.8	65		136		40S			90		100		
163	2375	44	30.3	68	15	280		60S	50MS	8	90		90		
166				75		152									
167		83		75											
168				46		149		5R		1	8	70			
170															
171															
181															
182															
183															
184															
188															
191															
196															
198															
5										-0	ID# =	0			
1															
2															
4	5893	100	34.4			323		10MS		5	90				
5	2787	100	76.1	75		316							*		

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS	LINES SELECTED (%)	MISC
6															
7	6826	100				311									
12	3728	100		90					30S		1	3			
22			39.9	87		110						5			
25	545	100	37.8	80		119		30MS	20MS			1			100
26				90		120		1MR	1R		3	3	90		100
41															
43															
46															
47															
49															
55				95		149									
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109	4000	100				302			10MR						
110															
118	3181	100		80		117					2		100		
150															
156															
161	1287	100	45.8	65		138		1R				60		100	
163	5375	100	31.7	85	60	272		1R	10R	5		100		90	
166				105		155									*
167				95											
168				60		152		10R			0	1	70		
170															
171															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS	LINES SELECTED (%)	MISC
86															
101															
104															
109						296									
110															
118	2696	84		100		119					3		100		
150															
156															
161				90		138							80	100	
163	2125	39	29.5	68	10	201			10MS	50MS	7		90	90	
166				80		158									
167		71		80											
168				67		152			10R		0	1	60		
170															
171															
181															
182															
183															
184															
188															
191															
196															
198															

7	OWL852563	F12.71/COC//CARSTEN/GIGANT					SR	ID# =	900327 OR 900327
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1									
2									
4	4614	78	38.2			324			
5				85		328			
6									
7	6438	94				307			
12	1380	37		90			0	3	4
22			30.3	103		116		5	
									100

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
25	491	90	28.2	95		126	1R	1MR							
26				105	30	129		1MR		3	3	90	100		
41															
43															
46															
47															
49															
55				95		170								*	
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109						298		10S							
110															
118	3575	112		95		120					3		100		
150															
156															
161	3575	277	49.6	80		139		5MR					100	100	
163	2125	39	30.9	70	10	288	0	40MR	5			90	90	*	
166				80		158									
167		71		85											
168				63		148		5R		0	3	60			
170															
171															
181															
182															
183															
184															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS	LINES SELECTED (%)	MISC
188															
191															
196															
198															
8	OWL852563		F12.71/COC//CARSTEN/GIGANT								HR	ID# =	900328 OR 900328		
1															
2															
4	5003	84	35.2			324		0		4		90		*	
5				85		328									
6															
7	7992	117				310								*	
12	1547	41		110				0		3	4				
22			26.9	103		118						0			
25	508	93	30.3	102		125	1R	1R			5		100		
26			36.3	113	30	129		1MR		3	3	90		100	*
41															
43															
46															
47															
49															
55				95		178								*	
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109	3675	91				299		1R						*	

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000GW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
110															
118	1030	32		108		120							100		
150															
156															
161	2574	200	53.4	80		140			10MR			90	100		
163	2750	51	33.4	68	20	205			1MS	10R	4	90	90	*	
166				80		158									
167		53		70											
168				62		148			10R		1	2	50		
170															
171															
181															
182															
183															
184															
188															
191															
196															
198															

9	OWP852573	NS2568-2//BEZ.DW/ZG1477/3/MZL7TI				HR	ID# =	900336 OR 900336
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1								
2								
4	1111	18	28.8		329			
5				70	340			
6								
7	5550	81			321			
12	193	5		60		0	4	4
22			29.	76	116			
25	400	73	23.3	86	125	10MS	30MS	
26				85	131		1MR	
41								
43								

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000GW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS	LINES SELECTED (%)	MISC
46															
47															
49															
55				65		174									
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109						298									
110															
118	1514	47		70		121					2		100		
150															
156															
161				60		139									
163	1750	32	25.5	65	10	288	5MS						90	100	
166				60		159	1S	70S	6				90	75	
167		66		60											
168				51		150	5R				0	1	60		
170															
171															
181															
182															
183															
184															
188															
191															
196															
198															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000GW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E STAND T	WINTER HDNS	LINES SELECTED (%)	MISC
10 SWM15330			NZT/BEZ1//ALD"6								F1	ID# =	900489 OR 900489	
1														
2														
4	5448	92	36.			320				4		90		*
5				105		318								
6														
7	7633	111				310								*
12	1807	48		95						3	4			
22			25.1	105		118					5		100	
25	437	80	29.5	93		129	70S	10MS			1			
26				114	30	129		1MR		3	3	90	100	
41														
43														
46														
47														
49														
55				110		173								*
57														
72														
73														
74														
75														
82														
85														
86														
101														
104														
109						299								
110														
118	3332	104		100		121				3		100		
150														
156														

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

28

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000GW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS	LINES SELECTED (%)	MISC
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109						305									
110															
118	1924	60		96		121					4		100		
150															
156															
161	3432	266	48.	75		142							100	100	
163	2437	45	26.2	80	15	289							90	80	
166				80		160									*
167		98		75											*
168				61		148									
170															
171															
181															
182															
183															
184															
188															
191															
196															
198															

12 WRH870491	CDK3/3/M0//M0M/EX/4/YMH/HYS/5/6158-19	HR ID# =	908105 OR 908105
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TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000GW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
2															
4	2390	40	28.4			330		70MS		5		90			
5	1514	54	67.4	65		341								*	
6															
7	7622	111				310									
12	86	2		60				60S		4	0				
22			27.7	87		119					7		100		
25	464	85	24.	84		127		1MR	1MR		7				
26				90	30	131	60S	1R		7	3	90	100		
41															
43															
46															
47															
49															
55				80		178							*		
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109						300		60S							
110															
118	1030	32		90		122					3		100		
150															
156															
161	2002	155	49.4	70		143		00			80		100		
163	312	5	20.1	50	0	300		80MS	80S	9	80		65		
166				70		158									
167			71	70										*	

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS	LINES SELECTED (%)	MISC
168				58		152		50MS		0	2	70			
170															
171															
181															
182															
183															
184															
188															
191															
196															
198															

13	SWM877414	-0-	-0	ID# =	908262 OR 908262
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1															
2															
4	1806	30	36.6			322		20MS		4		90			
5				85		325									
6															
7	6993	102				311									
12	793	21		80				60S		3	3				
22			29.6	85		117						0			100
25	566	103	30.9	80		128	1MR	15MS				1			
26				97	30	130	60S	1R		6	3	90			100
41															
43															
46															
47															
49															
55				85		173									
57															
72															
73															
74															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000GW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E STAND G T	WINTER HDNS	LINES SELECTED (%)	MISC
75														
82														
85														
86														
101														
104														
109						298								
110														
118	2234	70		110		122					3		100	
150														
156														
161	3861	300	49.	80		140						100		100
163	2062	38	26.5	70	15	280		10S	50MS	7		90		80
166						80								
167		80				65								
168						65								
170														
171														
181														
182														
183														
184														
188														
191														
196														
198														

14	OWT852241	-0-	-0	ID# =	900183 OR 900183
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1														
2														
4	5615	95	30.4		320		0		5		90		*	
5				80	324									
6														

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E STAND T	WINTER HDNS (%)	LINES SELECTED	MISC
7	5661	82				311								
12	533	14		95				20MS		4	2			
22			22.1	89		119					7			
25	518	95	25.4	102		130	1R	1R			3			
26				103		129	60S	1R		5	3	90		100
41														
43														
46														
47														
49														
55				75		170								
57														
72														
73														
74														
75														
82														
85														
86														
101														
104														
109						302		5MS						
110														
118	2158	67		100		122					3			100
150														
156														
161	3289	255	46.4	75		142		5MR			100			100
163	1500	27	25.1	62	0	278	10R	60MS	4		90			90
166				85		161								
167		44		85										
168				67		148	1R		0	1	70			
170														
171														
181														

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS	LINES SELECTED (%)	MISC
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182
183
184
188
191
196
198

15	0WA852264	AU/3/MINN//HK/38MA/4/YMH/ERA/5/85CB077						SW	ID# =	900190 OR 900190
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1
2
4 333 5 30.4 320 0 4 10
5 2302 82 64.2 75 327 *
6

7 7437 108 307
12 700 18 80 40S 1MS 4 0 100
22 23.5 73 117
25 346 63 22. 86 126 1R 1R 3
26 98 133 1MS 7 3 90 100

41
43
46
47
49
55 75 175
57
72
73
74
75
82
85
86

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST T	WINTER HDNS (%)	LINES SELECTED	MISC
101															
104															
109						298									
110															
118	1507	47		83		124					3		100		
150															
156															
161	3146	244	43.	75		139									
163	875	16	26.9	50	0	289									
166				70		157									
167		66		80											
168				65		147									
170															
171															
181															
182															
183															
184															
188															
191															
196															
198															

16	OWA852347	PJ/HN4//GLL/5/85CB077	HW	ID# =	900223 OR 900223
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1															
2															
4															
5	2666	95	69.	80		326			0			0			*
6															
7	6752	98				307									
12	586	15		85											
22				25.4	92										
25	515	94	27.6	95		117			40S	4	0				
						124			10MS 15MS						

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E STAND G T	WINTER HDNS	LINES SELECTED (%)	MISC	
26				110		128			1MS		7	3	90	100	
41															
43															
46															
47															
49															
55				85		170									
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109						298			10S						
110															
118	1905	59		90		121					3		100		
150															
156															
161	2860	222	47.8	80		140			5MR			90	100		
163	500	9	23.5	50	0	290			20MS	60MS	8	85	80		
166				80		156								*	
167		62		75											
168				60		147			60S		2	2	70		
170															
171															
181															
182															
183															
184															
188															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E STAND T	WINTER HDNS	LINES SELECTED (%)	MISC
191														
196														
198														
17	OWA852347		FJ/HN4//GLL/5/85CB077									HW ID# =	900229 OR 900229	
1														
2														
4	5865	99	34.6			323		40MS		4		90		*
5	2969	106	71.7	80		325								*
6														
7	7215	105				311								
12	160	4		80				60S		4	0			*
22			27.8	87		117					7		100	
25	587	107	30.9	88		125	1MR	99S			3			
26				113		132		1MS		5	3	90	100	
41														
43														
46														
47														
49														
55					90	169								*
57														
72														
73														
74														
75														
82														
85														
86														
101														
104														
109							301		15S					
110														

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000GW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
118	1514	47		95		121					2		100		
150															
156															
161				70		140									
163	562	10	20.2	58	0	291			15MS	60MS	8		90	100	
166				70		157									*
167		62		80											
168				63		147			20R		1	3	50		
170															
171															
181															
182															
183															
184															
188															
191															
196															
198															

18	OWS852628	ALCEDO/5/AU/3/MINN//HK/38MA/4/YMH/ERA			HW	ID# =	900349 OR 900349
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1															
2															
4	4308	73	34.8			320			40MS		4		90		
5				85		330									
6															
7	6771	99				311									
12	566	15		85					60S	1MR	4	0			
22			26.5	93		119									*
25	599	109	28.3	93		128	30S	99S						100	
26			38.1	105		131	1MR	1MS			3	3	90	100	*
41															
43															
46															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000GW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
47															
49															
55				85		180									*
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109															
110															
118	2976	93		95		123					4		100		
150															
156															
161				75		142									
163	937	17	22.7	70	10	209									
166				75		159									
167		62		85											
168				67		149									
170															
171															
181															
182															
183															
184															
188															
191															
196															
198															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000GW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS	LINES SELECTED (%)	MISC
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19	DWV852687	85CB077/5/ND/F101//BB/GLL										HW	ID# =	900377 OR 900377
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1															
2															
4	3864	65	35.4			322		20MS		5	90				
5	2242	80	70.1	85		327								*	
6															
7	6364	93				307				9					
12	646	17		85				60S	20S	4	0			*	
22			27.6	93		116					7				
25	583	107	29.9	92		123	1R	1R			1			100	
26				108		131	60S	1R		5	90			100	
41															
43															
46															
47															
49															
55					95		175								
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109							297		10S						
110															
118	1075	33		95		119				3				100	
150															
156															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000GW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
161				70		139									
163	875	16	23.	60	0	286		10R	60MS	8		80		80	
166				85		156									*
167			71	85											
168				56		149		30MR			0	1	70		
170															
171															
181															
182															
183															
184															
188															
191															
196															
198															

21	OWV852687	85CB077/5/ND/P101//BB/GLL	HW	ID# =	900383 OR 900383
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1															
2															
4	3308	56	33.4			324		0		5		90			
5				95		324									
6															
7	5494	80				310									
12	380	10			80				20MS	10S	4	0			
22			24.2		86										
25	470	86	26.7		88		119		1R	1R					
26				96	30		126	1MS	1R		5	3	90		100
41						132									
43															
46															
47															
49															
55						90		174							*

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS	LINES SELECTED (%)	MISC
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109						300									
110															
118	833	26		94		119					4			100	
150															
156															
161	3003	233	48.6	75		142									
163	450	8	20.	48	0	298									
166						157									
167		89		85											
168				50		152									
170															
171															
181															
182															
183															
184															
188															
191															
196															
198															

22	XWT853859	SWM844553, F1/S/NRDN/NADTYPE//BEZ	HW	ID# =	900442 OR 900442
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TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000GW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
2															
4	4225	71	44.4			318		60MS		4		90			
5				110		316									
6															
7	7381	108				306									
12	2641	70		110				80S	10S	1	0				
22			30.1	111		117						5		100	
25	532	97	25.2	107		125	10MS	50S				3			
26				120	40	129		1MR			5	3	90	100	
41															
43															
46															
47															
49															
55					80	175									
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109							295		40S						
110															
118	3043	95		107		119					2		100		
150															
156															
161															
163	4500	83	41.0	85	60	141		40S				80	100		
166				87		272		40S	5R	7		100	95	*	
167				100		156									
				95											

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

23 SWM15259 PJ/HN4//GLL/3/SERI HW ID# = 900475 OR 900475

43

49

Digitized by srujanika@gmail.com

95 179

72

74

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

24 SWM15272 F12.71/COC//GLEN HW ID# = 900479 OR 900479

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS	LINES SELECTED (%)	MISC
7	5346	78				310				5					
12	1060	28		85				60S		4	0				
22			24.2	94		119					7			100	
25	442	81	25.7	93		125		1MR	10MS		1				
26				100		130		1MR		7	3	90		100	
41															
43															
46															
47															
49															
55				85		181								*	
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109							299		40S						
110															
118	2227	70		95		118					2			100	
150															
156															
161	2431	188	45.4	75		141		5MR				80		100	
163	3187	59	27.9	70	10	280		40S	50MS	7		90		85	
166						157									
167		80													*
168															
170															
171															
181															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000GW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER LINES	MISC
											T		Hdns (%)	Selected

182

183

184

188

191

196

198

25	SWM877538	F12.71/COC/3/ZA75/RDFN//BJY									HW	ID# =	906646 OR 906646
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1

2

4	5726	97	37.			318		70MS		5		90	*
5	3514	126	72.3	100		316							*
6													
7	6197	90				307				9			
12	1894	50		80				60S		2	3		
22			22.3	91		115					9		
25	474	87	44.5	95		124	5MS	15MS			5		100
26				105		129		1S		5	3	90	100

41

43

46

47

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72

73

74

75

82

85

86

75

175

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST T	WINTER HDNS (%)	LINES SELECTED	MISC
101															
104															
109						298									
110															
118	1511	47		90		121					3		100		
150															
156															
161	3146	244	46.4	70		140									
163	3875	72	26.9	72	30	272		40S	70S	8		90	100	90	*
166				85		158									
167		80		85											
168				66		147						0	1	70	
170															
171															
181															
182															
183															
184															
188															
191															
196															
198															

26	BUCK16425	MHB30-2/TAL/4/ANA/MAYA/3/RAPRE//CNO.S/7C						-0	ID# =	908305 OR 908305
1										
2										
4	4586	77	35.			319				
5				95		324				
6										
7	7525	110				311				
12	1760	47		85				40S	4	0
22			28.9	93		119				
25	666	122	29.1	92		129	1MR	1MR		
									7	
									5	100

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000GW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
26	5626		38.	110		129		1MR		6	3	90	100	*	
41															
43															
46															
47															
49															
55				100		185								*	
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109						302		20S							
110															
118	3211	100		90		122					4		100		
150															
156															
161	3575	277	46.6	75		142		5MR					100	100	
163	2575	47	30.3	77	15	278		10R	40MR	4		90	90		
166				80		159									
167		89		90											
168				70		147		10R			3	5	70		
170															
171															
181															
182															
183															
184															
188															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST T	WINTER HDNS	LINES SELECTED (%)	MISC
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191

196

198

27	BUCK16425	MHB30-2/TAL/4/ANA/MAYA/3/RAPRE//CNO. S/70							-0	ID# =	908306 OR 908306
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1

2

4

6366 108 36.2

95

323

80MS

4

90

5

6

7

8339 122

322

*

12

346 9

80

40S

5

0

22

21.5

85

124

0

100

25

426 78

28.2

89

128

1MR 1R

1

26

105

129

5MS 1R

7

3

100

41

43

46

47

49

55

75

168

57

72

73

74

75

82

85

86

101

104

109

302

20MS

110

50

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

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TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS	LINES SELECTED (%)	MISC
47															
49															
55				85		172									
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109						294				405					
110															
118	3696	116		108		118					2		100		
150															
156															
161				70		136									
163	3500	65	32.3	72	40	263									
166				90		155									
167		89		85											*
168				82		142									
170															
171															
181															
182															
183															
184															
188															
191															
196															
198															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000GW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST T	WINTER HDNS SELECTED (%)	MISC
29 WRY870793			CLLF//BB N1/3/TJB368-251/BUC								HW ID# =	908475 OR 908475		
1														
2														
4	4281	72	37.4			323					4		90	
5				90		324								
6														
7	8006	117				307								
12	473	12												
22			34.8	75										
25				95										
26	442	81	27.	93		116								
				27.										
				93		127								
				33.4	110									
						128								
41														
43														
46														
47														
49														
55					85									
57						175								
72														
73														
74														
75														
82														
85														
86														
101														
104														
109														
110														
118	3529	110			92						4		100	
150														
156														

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000GW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST T	WINTER HDNS (%)	LINES SELECTED	MISC	
161				75		141		20MS				80		100		
163	1125	20	26.6	74	10	272		10MS	60MS	9		90		70		
166				80		157										
167		80		80												
168				70		145		30MR			3	3	70			
170																
171																
181																
182																
183																
184																
188																
191																
196																
198																

30	WRY870793	CLLF//BB N1/3/TJB368-251/BUC							SW	ID# =	908478 OR 908478			
1														
2														
4	5003	84	37.8			321		1MR		4		90		
5				80		324								
6														
7	8214	120				311								
12	827	22			75									*
22			23.		82	119		40S	20S	4	0			
25	497	91	28.5		96	131		1R	1R		7		100	
26				110		131		1MS		3	3	90		100
41														
43														
46														
47														
49														
55					90	179								

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS	LINES SELECTED (%)	MISC
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109						302									
110															
118	2096	65		90		128					4		100		
150															
156															
161															
163	1200	22	29.7	75	20	145			10MR			80		100	
166				70		279			1R	70S	7		90		80
167				85		157									
168		71		80											
170				62		153			20MR		3	2	80		
171															
181															
182															
183															
184															
188															
191															
196															
198															

31	WRY870793	CLLF//BB N1/3/TJB368-251/BUC	SW	ID# =	908479 OR 908479
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TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000GW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
2															
4	5726	97	44.4			321					6		90		*
5	3817	136	66.5	75		325									*
6															
7	6001	87				311					9				
12	1407	37		85						60S	10S	2	3		
22			21.5	83		117						7		100	
25	429	78	26.7	85		129	1R	1R				3			
26				100		132			1MS		5	5	90	100	
41															
43															
46															
47															
49															
55				75		172									
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109						302				40S					
110															
118	2117	66		90		128						5		100	
150															
156															
161				65		146				10MR			80	100	
163	2500	46	26.3	74	20	278				60S	80S	6	95	90	
166				55		159									
167				80											*

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000GW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS	LINES SELECTED (%)	MISC
168				61		152		50MS		2	1	70			
170															
171															
181															
182															
183															
184															
188															
191															
196															
198															

32	WRY870793	CLLF//BB N1/3/TJB368-251/BUC	XW	ID# =	908480 OR 908480
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1															
2															
4	3975	67	33.			322		30MS		4	90			*	
5				80		325									
6															
7	7152	104				310									
12	420	11		85				60S		4	0				
22			23.8	93		119					9			100	
25	727	133	29.4	93		129		1MR 85S			5				
26				110		132		1MS		5	5	90		100	
41															
43															
46															
47															
49															
55				95		180								*	
57															
72															
73															
74															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000GW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS	LINES SELECTED (%)	MISC
75															
82															
85															
86															
101															
104															
109						302									
110															
118	2817	88		97		127							100		
150															
156															
161				75		143									
163	625	11	27.1	68	20	280									
166				80		157									
167		71		85											
168				64		154									
170															
171															
181															
182															
183															
184															
188															
191															
196															
198															

33	WRZ870813	NZT/BEZ//HUAR/3/OK82282			HW	ID# =	908482 OR 908482
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1							
2							
4	4809	81	35.		322	0	5
5				85	325		90
6							

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
7	5420	79				310				9					
12	673	18		75				205		4	0			*	
22			19.	85		119					9				
25	377	69	25.	82		127	1R	1MR			1			100	
26				105		131		1MR			7	90		100	
41															
43															
46															
47															
49															
55				85		178								*	
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109							299		15MS						
110															
118	2870	90		95		123					3			100	
150															
156															
161	3289	255	42.6	75		140		5MR				100		100	
163	1937	36	25.4	70	20	277		1R	80S	8		90		85	
166				75		155									
167		62		75											
168				61		150		5R		1	1	80			
170															
171															
181															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS	LINES SELECTED (%)	MISC
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182
183
184
188
191
196
198

34	WRZ870813	NZT/BEZ//HUAR/3/OK82282							SW	ID# =	908484	OR	908484
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1													
2													
4	5309	90	34.4			322		10MS		6		90	*
5				80		325							
6													
7	5291	77				311				9			
12	1213	32		85				40S		2		2	
22			21.	87		119						7	
25	420	77	24.2	75		127	1R	1R			3		100
26				95		132	1MR	1MS		7		90	100
41													
43													
46													
47													
49													
55				60		170							
57													
72													
73													
74													
75													
82													
85													
86													

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
101															
104															
109						300									
110															
118	1437	45		95		125							100		
150															
156															
161	3861	300	43.	75	--	141						100	100		
163	1875	34	20.9	66	20	279						90	80		
166				75		158									
167		55		65											
168				62		149						0	1	50	
170															
171															
181															
182															
183															
184															
188															
191															
196															
198															

35	WRZ870813	NZT/BEZ//HUAR/3/OK82282				SW	ID# =	908485	OR	908485
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1															
2															
4	5087	86	39.4			320								*	
5	3029	108	70.8	70		324								*	
6															
7	5686	83				307									
12	1900	50		80											
22			25.4	90		116									
25	659	121	29.6	87		125	1R	1R					100		

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000GW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST T	WINTER HDNS	LINES SELECTED (%)	MISC
26				92		129	5MS	1R		7		90		100	
41															
43															
46															
47															
49															
55				75		170									
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109						300									
110															
118	3029	95		104		120					4		100		
150															
156															
161	3432	266	46.	75		139		20S				100		100	
163	1125	20	25.9	65	25	272		10S	70S	8		85		85	
166				70		157									
167		78		75											
168				59		149		1R			0	1	70		
170															
171															
181															
182															
183															
184															
188															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E ST G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
118	3332	104		100		124					1		100		
150															
156															
161				70		140			00			90	100		
163	3000	55	26.1	75	15	277		56	80S	7		95	80	*	
166				75		157									
167		76		70											
168				68		148		5R			0	1	60		
170															
171															
181															
182															
183															
184															
188															
191															
196															
198															

37	SWM877394	F12.71/COC//KVZ.S									HW	ID# =	908480 OR 908488	
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1															
2															
4	7589	128	35.			320			5MS		5		90		*
5	3393	121	73.2	75		325									*
6															
7	7252	106				307					9				
12	2247	60		90				20S		3	1				
22			24.9	93		116					7		100		
25	653	119	29.2	91		127	1R	1R			1				
26				100		132		1MR		5	3	90	100		
41															
43															
46															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
47															
49															
55				85		181									*
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109						298									
110															
118	3302	103		97		119					2		100		
150															
156															
161	2145	166	45.4	60		141							90	100	
163	1875	34	25.6	68	15	272							90	90	
166				75		158									
167		71		75											
168				60		148							2	70	
170															
171															
181															
182															
183															
184															
188															
191															
196															
198															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000GW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G EST T	STAND WINTER HDNS (%)	LINES SELECTED	MISC
38 SWM877394	F12.71/COC//KVZ.S												908490 OR 908490	
1														
2														
4	6449	109	36.8			321								*
5				75		316								
6														
7	7492	109				306								
12	1867	50		80										
22			25.1	95		116								
25	549	100	32.	87		125	1R	1R					100	
26			36.7	108		130	1R						100	*
41														
43														
46														
47														
49														
55				90		170								
57														
72														
73														
74														
75														
82														
85														
86														
101														
104														
109						298								
110														
118	3149	98		94		119							100	
150														
156														

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST T	WINTER HDNS (%)	LINES SELECTED	MISC
161	2717	211	45.2	70		142		5MR				90		100	
163	2625	48	29.5	64	15	271		1R	70S	6		100		90	*
166				70		158									
167		71		80											
168				66		147		5R			1	3	90		
170															
171															
181															
182															
183															
184															
188															
191															
196															
198															

39	SWM877394	F12.71/COC//KVZ.S	XW	ID# =	908491 OR 908491
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1															
2															
4	6032	102	39.6			313		20MS		6		90			*
5				70		316									
6															
7	6882	100				300					9				
12	2121	56		75				10S		2	4				
22			26.6		91		116					7		100	
25	547	100	28.4		81		125	40MS	40MS			3			
26				105			132		1MR		5	3	90	100	
41															
43															
46															
47															
49															
55					85		170								

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000GW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS	LINES SELECTED	MISC
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109						299									
110															
118	1651	51		90		119					4		100		
150															
156															
161															
163	3500	65	31.1	70	15	140							100	100	
166				62		267							100	90	*
167				70		155									*
168			50	75											
170				64		147									
171															
181															
182															
183															
184															
188															
191															
196															
198															

41 SWM877394

F12.71/COC//KVZ.S

HW ID# = 908493 OR 908493

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
2															
4	6143	104	34.			321		10MS		5		90		*	
5				60		326									
6															
7	5276	77				310				7					
12	2107	56		80				40S		2	4				
22			23.4	78		117					7			100	
25	536	98	23.	83		127	1R	1MR			5				
26				85		134		1R		6	5	90		100	
41															
43															
46															
47															
49															
55				85		178									
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109							298		5MS						
110															
118	3454	108		85		121					4		100		
150															
156															
161	4004	311	42.	70		142		5MR				100	100		
163	3375	62	25.6	72	15	280		20S	10R	7		95	90	*	
166					60	158									
167				65											

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000GW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
168				56		150		5R		0	3	80			
170															
171															
181															
182															
183															
184															
188															
191															
196															
198															

42	SWM877428	ZA75/BDFN//BJY. 6/3/K134(60)/VEE.S	XW	ID# =	908499	DR	908499
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1															
2															
4	4086	69	39.			320		5MS		6		90			
5				75		326									
6															
7	6771	99				300									
12	1287	34		80				10MS		3	2				
22			26.9	92		115									
25	425	78	25.3	84		126	1R	1R				0		100	
26				105		129		1R		5	3	90		100	
41															
43															
46															
47															
49															
55				85		181						*			
57															
72															
73															
74															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

43 SWM877428 ZA75/BDFN//BJY.S/3/K134(60)/VEE.S XW ID# = 908500 OR 908500

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E STAND G T	WINTER HDNS (%)	LINES SELECTED	MISC
7	5749	84				300				8				
12	1407	37		85				0	19	3	3			
22			30.5	97		115					5			100
25	521	95	26.3	89		126	1R	1R			1			
26				95		129	1MR	1R		7	3	90		100
41														
43														
46														
47														
49														
55				105		178						*		
57														
72														
73														
74														
75														
82														
85														
86														
101														
104														
109						296								
110														
118	1528	48		100		119					1		100	
150														
156														
161	2717	211	48.	75		141								
163	2375	44	26.3	78	15	269		5MR						
166								20S	60MS	6				
167														
168														
170														
171														
181														

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
182															
183															
184															
188															
191															
196															
198															
44	OWT852714														
1															
2															
4	4392	74	45.2			312									
5				80		314									
6															
7	6586	96				299									
12	1500	40		85											
22			27.1	97		115									
25	526	96	29.	88		123	30S	5MS	15MS						
26				115		129									
41															
43															
46															
47															
49															
55				90		167									
57															
72															
73															
74															
75															
82															
85															
86															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E STAND T	WINTER HDNS	LINES SELECTED (%)	MISC
101														
104														
109						298								
110														
118	2105	66		102		119					2		100	
150														
156														
161														
163	2625	48	27.4	75	10	143						70	100	
166				72		272						90	90	
167		58		80		157								
168				85										
170				62		146						1	3	80
171														
181														
182														
183														
184														
188														
191														
196														
198														

45	OWA852737	OWA842170, F1/9/78W025001					HR	ID# =	900055 OR 900055
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1														
2														
4	2779	47	28.2			327		0		4		90		
5	2726	97	76.1	90		330								*
6														
7	7659	112				316								*
12	253	6		85							3	2		
22			27.3	100		125						7		
25	620	113	30.4	101		128		20MS	10MS			1		100

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST T	WINTER HDNS (%)	LINES SELECTED	MISC
26				115		129	5MS	1R		7		90		100	
41															
43															
46															
47															
49															
55				100		172									
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109						302			10MS						
110															
118	1492	46		97		121					2		100		
150															
156															
161				90		142			10MS				100		
163					10	308		5S	60MS	7		80		80	
166				75		158									*
167		80		85											
168				76		153		1R		0	0	90			
170															
171															
181															
182															
183															
184															
188															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS	LINES SELECTED (%)	MISC
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191

196

198

46	OWE852123	DYBR83-107/RSK										SR	ID# =	900128 OR 900128	
1															
2															
4	4948	83	48.			313		0		7		90			
5				90		313									
6															
7	4354	63				299				9					
12	2674	71		90				40S	10MS	2	3				
22			31.7	100		115					7		100		
25	374	68	33.	97		123	1R	1MR			1				
26				95		128	1R			7	3	90	100		
41															
43															
46															
47															
49															
55				85		173									
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109						295		5MS							
110															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

47 OWW852199 -0- -0 ID# = 900165 OR 900165

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000GW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G EST T	STAND WINTER HDNS	LINES SELECTED (%)	MISC
47														
49														
55				100		172								*
57														
72														
73														
74														
75														
82														
85														
86														
101														
104														
109						299								
110							105							
118	1545	48		90		125					3		100	
150														
156														
161				80		141								
163	875	16	22.1	62	10	288		10R	80S	8		100		100
166				80		158						85		80
167		64		90										
168				79		147		60S		0	3	70		
170														
171														
181														
182														
183														
184														
188														
191														
196														
198														

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS	LINES SELECTED (%)	MISC
48 OWE852127			DYBR83-70/3/JSW6/L0V13//JSW3							-0	ID# =		900131 OR 900131		
1															
2															
4	4531	76	36.2			309		30MS		6		90			
5				90		308									
6															
7	6574	96				296				9					
12	1720	46		95				30S	1MS	4	1				
22			30.7	92		112					7		100		
25	604	110	32.2	89		121	30MS	85S			1				
26				100		130	60S	1R		7	90		100		
41															
43															
46															
47															
49															
55				100		170									
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109						295		10MS							
110															
118	3711	116		96		116							100		
150															
156															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

8

49	0WE852145	NWT/PYN//AMI/CRC/3/PMN/4/AFG3					HW	ID# =	900144 OR 900144
1									
2									
4	5115	86	44.2		317	0	5	90	*
5				90	325				
6									
7	10667	156			297				
12	893	23		85		10MR 20S	4	1	
22			20.9	82	111			7	
25	617	113	29.1	98	124	10MS 1MR		1	100
26				113	131	1MR 1R	5	90	100
41									
43									
46									
47									
49									
55					100	170			*

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNGS (%)	LINES SELECTED	MISC
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109						297									
110															
118	3075	96		93		119								100	
150															
156															
161															
163	1125	20	26.2	85	10	139							100	100	
166				70		283									
167		71		80		155									*
168				85											*
169				63		148									
170															
171															
181															
182															
183															
184															
188															
191															
196															
198															

50	OWA852262	RMNF12-71/JUPS//78W025001	-0	ID# =	900189 OR 900189
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TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E STAND G T	WINTER HDNS (%)	LINES SELECTED	MISC
2														
4	6171	104	36.6			322		30MS		6		90		*
5				75		326								
6														
7	6142	89				301				8				
12	1480	39		85				20S	10MS	4	4			
22			26.3		94	119						5		100
25	517	94	28.4		87	126	1R	1R						
26				103		130		1MR		6	3	90		100
41														
43														
46														
47														
49														
55				95		171								
57														
72														
73														
74														
75														
82														
85														
86														
101														
104														
109						298		10MS						
110														
118	2204	69			98	125					3		100	
150														
156														
161					85		140		10MR			100		100
163	1812	33	27.6		72	10	291		5MS	60MS	5	90		85
166						80		157						
167					75									*

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST T	WINTER HDNS	LINES SELECTED (%)	MISC
168				70		150		1R			0	1	90		
170															
171															
181															
182															
183															
184															
188															
191															
196															
198															

51	OWA852347	PJ/HN4//GLL/5/85CB077							HW	ID# =	900223 OR 900223
1											
2											
4	4742	71	37.			320		30MS	6	90	
5	2242	80	69.4	75		324					*
6											
7	6512	95				311					
12	446	11		80				60S	4	2	
22			25.8	86		116				0	100
25	440	80	24.4	87		124	1R	1MR		3	
26				100		130		1MS	7	3	90
41											
43											
46											
47											
49											
55				95		170					
57											
72											
73											
74											

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000GW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS	LINES SELECTED (%)	MISC
75															
82															
85															
86															
101															
104															
109						299				105					
110															
118	637	20		97		120					2		100		
150															
156															
161				75		140			20MS			90	100		
163	562	10	21.2	65	0	280		80S	60MS	6		90	70		
166				80		158									
167		71		80											
168				58		148			40MS			70			
170															
171															
181															
182															
183															
184															
188															
191															
196															
198															

52	OWL852524	ND/P101//BB/GLL/3/TJB54-218/MHB30-2//HTL	-0	ID# =	900307 OR 900307
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1															
2															
4	2779	47	32.8			331			10MS		3	90			
5	2242	80	70.1	65		338							*		
6															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
7	7141	104				311				7					
12	160	4		75					20MS	30S	4	0		*	
22			25.	82		119					0		100		
25	547	100	24.6	93		124	1R	1R							
26				105	30	132	60S	1R		5		90	100		
41															
43															
46															
47															
49															
55				95		181								*	
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109						300		10MS							
110															
118	1196	37		90		127					2		100		
150															
156															
161	2717	211	48.4	65		141		5MR				90	100		
163	437	8	26.2	70	0	299		20S	90S	8		85	70		
166				75		160									
167		71		75											
168				63		154		40MS				70			
170															
171															
181															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000GW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS	LINES SELECTED (%)	MISC
182															
183															
184															
188															
191															
196															
198															
53	SEP841009		SEPCB84048/SEPCB84038								HW	ID# =	900413 OR 900413		
1															
2															
4	4281	72	36..			321			1MR		4		90		
5				80		325									
6															
7	6201	90				300					8				
12	386	10		90					30S		4	0			
22			25.5	90								0		100	
25	462	84	26.5	98		116			1R	1R					
26				107		125			1MS		3	3	90		100
41						132									
43															
46															
47															
49															
55				95		174									
57															
72															
73															
74															
75															
82															
85															
86															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LUDGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS	LINES SELECTED (%)	MISC
101															
104															
109						296									
110															
118	2499	78		97		125					4		100		
150															
156															
161	3861	300	48.6	70		139							100	100	
163	1000	18	22.2	75	0	299		1R	80S	8		85	80		
166				85		157									
167		116		80										*	
168				59		152						70			
170															
171															
181															
182															
183															
184															
188															
191															
196															
198															

54	SEP831009	SPN//AU/YMH/4/D6301/HN7//ERA/3/BUC/5/SPN	-0	ID# =	900436 OR 900436
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1															
2															
4	31.41	53	31.2			332									
5					60		330								
6															
7	7018	102				310									
12	160	4						20S	40S	4	0				
22			30.9	92		119									
25	445	81	26.	83		127	1MR	5MS				5		100	
												3			

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000GW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
118	1854	58		100		125					2		100		
150															
156															
161	3575	277	49.6	70		139			5MR			100	100		
163	1375	25	17.4	70	0	303			10MS	60MS	7	90	90		
166				85		159									
167		89		90											
168				62		153			1R			60			
170															
171															
181															
182															
183															
184															
188															
191															
196															
198															

56	XW7853961	-0-									-0	ID# =	900457 OR 900457
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1															
2															
4	5476	92	40.2												
5					75				1MS		4		90		*
6									324						
7	6341	92													
12	586	15													*
22				27.											
25					90										
26	562	103	29.9		94										
41						105									
43															
46															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000GW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
47															
49															
55				80		169									
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109						302									
110															
118	2896	91		97		124					2		100		
150															
156															
161	2288	177	56.6	75		143							100		
163	2000	37	22.4	75	0	301			10MS	90S	7		90		
166				80		158							90		
167		103		90											
168				71		150			90S				70		
170															
171															
181															
182															
183															
184															
188															
191															
196															
198															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST T	WINTER HDNS (%)	LINES SELECTED	MISC	
161				80		144		60S				80		100		
163	1875	34	33.4	68	0	280		60S	70S	7		90		90		
166				80		161										*
167		85		80												
168				72		152		60S				80				
170																
171																
181																
182																
183																
184																
188																
191																
196																
198																

58	SWM15259	PJ/HN4//GLL/3/SERI						HW	ID# =	900475 OR 900475
1										
2										
4	5476	92	36.4			321		5MS	3	90
5				80		329				
6										
7	5461	80				301			8	
12	1487	39		90				10MS	4	0
22			29.7	97		116				0
25	415	76	27.6	98		126	1MR	1MR		3
26				106		130		1R	5	3
41									90	100
43										
46										
47										
49										
55				100		175				*

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS	LINES SELECTED (%)	MISC
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109						296									
110															
118	1972	61		104		119					2		100		
150															
156															
161	3003	233	50.2	80		140							90	100	
163	1975	34	26.1	77	10	288							90	90	
166				80		156									*
167		82		85											
168				70		152							80		
170															
171															
181															
182															
183															
184															
188															
191															
196															
198															

59	SWM15267	F12.71/COC//BAGULA "S"	-0	ID# =	900477 OR 900477
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TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST T	WINTER HDNS (%)	LINES SELECTED	MISC
2															
4	6866	116	44.			318		5MS		5		90		*	
5				80		316									
6															
7	6053	88				300				9					
12	3555	95		85				3MS		1	3				
22			29.1	97		115					7			100	
25	577	105	27.5	83		124	1MR	10MS			1				
26	6022		30.6	100		131		1R		3	3	90	100	*	
41															
43															
46															
47															
49															
55				85		171								*	
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109						296		5MS							
110															
118	4060	127		90		117					4		100		
150															
156															
161															
163	5812	108	36.6	70	10	140		20S				90	100	95	*
166				70		272		40S	10R	6		90			
167				70		155									
				80										*	

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines.

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS	LINES SELECTED (%)	MISC
168				57		152		5R					80		
170															
171															
181															
182															
183															
184															
188															
191															
196															
198															

61	SWM15272	F12.71/COC//GLEN	-0	ID# =	900478	DR	900478
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1															
2															
4	5420	91	37.6			322		30MS		5		90		*	
5	2545	91	72.5	75		324								*	
6															
7	5020	73				307				9					
12	1667	44		80				30S		4	4				
22			25.1	84		116									
25	590	100	26.9	82		126	1R	1MR				7		100	
26			30.	83		130		1R		5	3	90		100	*
41															
43															
46															
47															
49															
55				85		171									
57															
72															
73															
74															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

62 SWM15330 NZT/BEZ1//ALD"9 F1 ID# = 900489 OR 900489

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING- (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
7	8406	123				311									*
12	2654	71		115				0		4	3				
22			22.9	105		119					5			100	
25	599	110	29.6	96		129	1R	15MS			1				
26				98	30	127	60S	1R		5	90		100		
41															
43															
46															
47															
49															
55				95		173									
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109	3400	84				301		5MS							*
110															
118	2726	85		106		120					2		100		
150															
156															
161	4004	311	45.4	90		142		1R				100	100		
163	4750	88	31.8	80	30	277		1R	60MS	5		95	90	*	
166				95		157									
167				85											
168				78		148		5R				80			
170															
171															
181															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000GW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
182															
183															
184															
188															
191															
196															
198															
63	SWM15397		TJB916.46/CB306//2*HBT/3/BUV"S"/4/CHUM 18								-0	ID# =	900508 OR 900508		
1															
2															
4	4670	79	33.8			330		0		3		90			
5				75		338									
6															
7	7307	107				312					8				
12	240	6		95				5MS		4	0				
22			31.5	97		119					7		100		
25	651	119	31.	97		127	1R	5MS			1				
26				100		130	5MS	1R		3	90	100			
41															
43															
46															
47															
49															
55			100			187									
57															
72															
73															
74															
75															
82															
85															
86															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS	LINES SELECTED (%)	MISC
101															
104															
109						302									
110															
118	2287	71		100		125					3		100		
150															
156															
161	4576	355	47.	80		142									
163	2000	37	31.	80	10	303							100	100	
166				80		158							90	90	
167		67		80											
168				67		152							80		
170															
171															
181															
182															
183															
184															
188															
191															
196															
198															

64	SWM15468	ID8000994-W/SERTI	-0	ID# =	900514 OR 900514
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1															
2															
4	4364	74	40.6			317									
5				80		315									
6															
7	6053	88				306									
12	2347	62		85											
22			25.	95		116									
25	567	104	29.6	84		124	30MS	30MS					100		

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E STAND G T	WINTER HDNS (%)	LINES SELECTED	MISC
26			34.6	105		128		1R		5	3	90	100	*
41														
43														
46														
47														
49														
55				95		170								
57														
72														
73														
74														
75														
82														
85														
86														
101														
104														
109						298		5MS						
110														
118	3378	106		100		119				4		100		
150														
156														
161				80		140		20S			80	100		
163	3250	60	25.5	78	15	272		80S	80S	7	90	85		*
166				80		156								
167		98		75										*
168				63		147		5R			70			
170														
171														
181														
182														
183														
184														
188														

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS	LINES SELECTED (%)	MISC
191															
196															
198															
65	SWM15468		ID800994-W/SERI												
1															
2															
4	5810	98	39.			322		10MS		5		90		*	
5	2484	89	72.3	85		324								*	
6															
7	5402	79				307				8					
12	1934	51		90				0		3	4				
22			22.8	94		119					7		100		
25	559	102	28.5	86		127	45S	50S			1				
26				95		129		1R		5	3	90	100		
41															
43															
46															
47															
49															
55				95		173								*	
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109															
110							300		10MS						

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000GW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS	LINES SELECTED (%)	MISC
67 DWA852729	-0-										-0	ID# =	900035 OR 900035		
1															
2															
4	3641	61	36.			319		0		6		90			
5				75		312									
6															
7	5550	81				297				9					
12	980	26		90				10MR	10S	4	0				
22			23.2	89		115					7		100		
25	400	73	26.9	96		123	1R	1MR							
26	4834		33.4	95		132	1MR	1R		7	90	100	*		
41															
43															
46															
47															
49															
55				80		169									
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109									5MS						
110															
118	2196	69		92		119				2		100			
150															
156															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

106

68	OWE852130	DYBR83-70/3/PJ62/HN4//GLL					-0	ID# =	900134 OR 900134
1									
2									
4	4864	82	33.		321	40MS	6	90	
5	1939	69	72.9	75	329				*
6									
7	6956	101			300		9		
12	1213	32		85		60S 20MS	4	0	
22			28.8	82	116			7	100
25	699	128	29.	79	124	1R 1R		1	
26				85	129	1MR 1R	5	90	100
41									
43									
46									
47									
49									
55				85	183				*

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000GW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS	LINES SELECTED (%)	MISC
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109						299									
110															
118	3120	98		85		120									
150															
156															
161				75		140									
163	2200	40	23.7	70	15	286									
166				75		158									
167		89		75											
168				63		150									
170															
171															
181															
182															
183															
184															
188															
191															
196															
198															

69 DWT852250

50/290.756//DYBR83-70

SR ID# = 900185 OR 900185

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS	LINES SELECTED (%)	MISC
2															
4	4753	80	44.4			331		5MS		4		90			
5				75		334									
6															
7	7670	112				313				9					
12								60S	20S	4	0				
22			23.6	90		119					7			100	
25	632	116	29.	80		128	1R	1R			1				
26				105		129		1R		3	3	90		100	
41															
43															
46															
47															
49															
55				90		183									
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109						302		10S							
110															
118	1545	48		92		119					6		100		
150															
156															
161				80		142		60S				100		100	
163	625	11	16.8	68	0	300		5S	70S	8		90		75	
166				75		160									
167				75											

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E STAND G T	WINTER LINES HDNS (%)	LINES SELECTED	MISC
168				73		158			50S			60		
170														
171														
181														
182														
183														
184														
188														
191														
196														
198														

70	OWA852264	AU/3/MINN//HK/38MA/4/YMH/ERA/5/85CB077			SW	ID# =	900190 OR 900190
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1														
2														
4	6032	102	38.			323			50MS		6	90		
5	3029	108	73.7	95		328								*
6														
7	7170	105				311								
12	340	9		90					50S		4	0		
22			20.	90		121								
25	433	79	27.	90		127	1R	40S						
26				105		122	1MR	1R			7	3	90	95
41														
43														
46														
47														
49														
55				90		172								
57														
72														
73														
74														

101

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000GW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST T	WINTER HDNS	LINES SELECTED (%)	MISC
75															
82															
85															
86															
101															
104															
109						302									
110															
118	2030	63		100		123									100
150															
156															
161					85										
163	687	12	18.7	75	10	141									
166					85										
167		94			85										
168				76		156									
170															
171															
181															
182															
183															
184															
188															
191															
196															
198															

71	DWA852301	MD/CLT//PICH/S/7/85MCB418				HR	ID# =	900211 OR 900211
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1								
2								
4	3864	65	33.4		323	40MS	6	90
5				75	326			
6								

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST T	WINTER HDNS (%)	LINES SELECTED	MISC
101															
104															
109						300									
110															
118	1833	57		95		123								100	
150															
156															
161				70		140									
163	450	8	18.2	55	0	291									
166				75		157									*
167		91		80											
168				60		154									
170															
171															
181															
182															
183															
184															
188															
191															
196															
198															

73	OWA852347	PJ/HN4//GLL/5/85CB077					HW	ID# =	900231	OR	900231
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1															
2															
4	4753	80	39.2			323									
5				75		329									
6															
7	5683	83				301									
12	560	15			90										
22			25.3		95										100
25	493	90	27.9	85		117									
						126			20MS	30MS					

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E STAND G T	WINTER HDNS (%)	LINES SELECTED	MISC
26				100	30	128		1R		5	3	90	100	
41														
43														
46														
47														
49														
55				100		169								*
57														
72														
73														
74														
75														
82														
85														
86														
101														
104														
109							299		205					
110														
118	2348	73		97		123							100	
150														
156														
161	3289	255	47.8	90		140		105					100	
163	1062	19	20.1	62	10	291		5MS	805	8			75	
166				80		157								*
167		89		80										*
168				70		148		0				70		
170														
171														
181														
182														
183														
184														
188														

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS	LINES SELECTED (%)	MISC
191															
196															
198															
74	OWL852563		F12.71/COC//CARSTEN/GIGANT								SR	ID# =	900321 OR 900321		
1															
2															
4	5420	91	35.4			325		5MS		3		90			
5				80		329									
6															
7	7492	109				311				6					
12	1600	42		90				1MR		4	0				
22			27.5	100		117					7		100		
25	590	108	28.	94		128	40S	30MS			1				
26			41.8	105	30	128		1R		2	3	90	100	*	
41															
43															
46															
47															
49															
55				100		185							*		
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109															
110															
						302		10MS							

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
118	1931	60		102		123					4		100		
150															
156															
161				90		143		40S					90	100	
163	3250	60	28.3	75	20	209		60S	40MR	3			90	95	*
166				85		159									
167		80		85											
168				69		147		20MS					80		
170															
171															
181															
182															
183															
184															
188															
191															
196															
198															
75	OWL852563		F12.71/COC//CARSTEN/GIGANT								SR	ID# =	900327	OR	900327
1															
2															
4	4781	81	33.2			325		0		3		90			
5															
6															
7	7237	106				306					8				
12	2054	55		85				0		3	4				
22			27.4	101		117						7		100	
25	506	92	26.	98		125		1R	1MR						
26			45.	105	30	127		1R		2	3	90	100		*
41															
43															
46															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000GW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST T	WINTER HDNS	LINES SELECTED (%)	MISC
47															
49															
55				100		175								*	
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109						299									
110															
118	2764	86		92		121					4		100		
150															
156															
161	3432	266	49.	80		140									
163	2125	39	21.1	70	50	288									
166				85		155									
167		71		80											*
168				66		149									
170															
171															
181															
182															
183															
184															
188															
191															
196															
198															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS	LINES SELECTED (%)	MISC
76 OWL852563			F12.71/COC//CARSTEN/GIGANT								HR	ID# =	900328 OR 900328		
1															
2															
4	5031	85	41.			332		0		3		90		*	
5				70		328									
6															
7	7596	111				307								*	
12	2494	66		95				0		2	4				
22			24.8	107		118						7		100	
25	470	86	27.7	86		126	456	30MS				3			
26				85	30	126	1MR	1MR			7	90		100	
41															
43															
46															
47															
49															
55				110		175									
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109	3575	89				300		10R						*	
110															
118	3302	103		103		121							100		
150															
156															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E STAND T	WINTER HDNS (%)	LINES SELECTED	MISC
161				85		140		60S			90		100	
163	3700	68	31.7	75	40	285		1R	10R	6	90	90	*	
166				90		155							*	
167		71		75										
168								0						
170														
171														
181														
182														
183														
184														
188														
191														
196														
198														

77	OWP852573	NS2568-2//BEZ.DW/ZG1477/3/MZL/TI			HR	ID# =	900336 OR 900336
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1														
2														
4	3113	52	28.			331		10MS		3	90			
5				55		330								
6														
7	6874	100				307				9				
12	580	15		70				0		5	4			
22			24.1	76		115					7			
25	393	72	20.	80		124	40S	15MS		3		100		
26				90		129		1MS		7	3	90		100
41														
43														
46														
47														
49														
55				65		169								

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E STAND G	WINTER HDNS	LINES SELECTED	MISC
57														
72														
73														
74														
75														
82														
85														
86														
101														
104														
109						297								
110														
118	631	19		72		122							100	
150														
156														
161	2860	222	51.4	65		140							90	100
163	437	8	21.4	60	10	291							80	50
166				60		157								
167		73		60										
168							0							
170														
171														
181														
182														
183														
184														
188														
191														
196														
198														

78 SWM788775

VFM/MOS83-11-4-8//PEW

HR ID# = 889127 OR 889127

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST T	WINTER HDNS (%)	LINES SELECTED	MISC
2															
4	5921	100	39.8			332		0		3		90		*	
5	1696	60	64.9	65		329								*	
6															
7	7821	114				307									
12	1407	37		80				0	209	5	0				
22			30.	90		116								100	
25	551	101	30.9	71		125		1R	1R						
26				100		128			1MS		3	3	90	100	
41															
43															
46															
47															
49															
55					85		175								
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109							297								
110															
118	2802	88		90		122								100	
150															
156															
161	2574	200	52.	75		141		00				90		100	
163	3375	62	30.9	66	10	289		1R	50MS	2		85		90	*
166				70		157									
167			71	70											

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

79 SW0780127 -0- -0 ID# = 889264 OR 889264

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000GW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E STAND G T	WINTER HDNS (%)	LINES SELECTED	MISC
75														
82														
85														
86														
101														
104														
109						302								
110														
118	878	27		90		128					9		100	
150														
156														
161	3861	300	44.8	75		145								
163	1125	20	20.	65	10	296								
166				75		158								
167		71		75										
168							0							
170														
171														
181														
182														
183														
184														
188														
191														
196														
198														

81	SW0791095	-0-	-0	ID# =	889313 OR 889313
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1							
2							
4	4742	80	38.2		325	0	3
5				70	329		90
6							

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000GW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E STAND G T	WINTER HDNS (%)	LINES SELECTED	MISC
7	7455	109				306				7				
12	1013	27		80				0		5	3			
22			28.5	99		116					7			
25	628	115	35.	81		126	1MR	1MR			1			
26				90	30	127	5MS	1R		5	90			
41														
43														
46														
47														
49														
55				95		176								
57														
72														
73														
74														
75														
82														
85														
86														
101														
104														
109						299		10MS						
110														
118	2954	92		100		120					2			
150														
156														
161	1859	144	50.6	70		141		00			80			
163	3750	69	31.3	80	20	289		1R	80S	7	95			*
166				80		155								*
167		71		80										
168							0							
170														
171														
181														

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000GW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS	LINES SELECTED (%)	MISC
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182
183
184
188
191
196
198

82	4IWWSN 57	4TH IWWSN 57 TURKEY		XR	ID# =	3890029
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1														
2														
4	3752	63	35.2			331		30MS		4		90		
5						330								
6														
7	7622	111				307				6				
12	1874	50						0	10S	5	0			
22			30.2		80		116				0			100
25	572	105	26.6		87		124	15MS	30MS		3			
26					85				1MS					
41					90	30	128			5	90		100	
43														
46														
47														
49														
55													*	
57														
72														
73														
74														
75														
82														
85														
86														

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E STAND G T	WINTER LINES HDNS (%)	MISC SELECTED
101													
104													
109	3560	88				299							*
110													
118	2911	91		90		122					3	100	
150													
156													
161	3289	255	51.8	70		138					90	100	
163	2950	54	34.7	65	10	288					95	90	
166				80		155							
167		62		75									*
168							0						
170													
171													
181													
182													
183													
184													
188													
191													
196													
198													

83	SW0780127	-0-	-0	ID# =	3870027 OR3870027
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1												
2												
4	4392	74	30.			331						
5				80		329						
6												
7	7703	112				310						
12	1287	34		80								
22			26.8	89		119						
25	602	110	30.2	82		131	1R	1R				100

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E STAND G T	WINTER LINES HDNS (%)	MISC
26				100	30	127		1MS		5		90	100
41													
43													
46													
47													
49													
55				85		175							*
57													
72													
73													
74													
75													
82													
85													
86													
101													
104													
109						302		205					
110													
118	1204	37		90		129				9		100	
150													
156													
161				80		145		40S			80	100	
163	2500	46	25.2	55	50	290		1R	70S	6	90	85	*
166				75		159							*
167		80		75									*
168							0						*
170													
171													
181													
182													
183													
184													
188													

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000GW	PLANT HEIGHT (CM)	LODGING (%)	FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS	LINES SELECTED (%)	MISC
191															
196															
198															
84 SW079105A											-0	ID# =	3870611		
1															
2															
4	4809	81	38.8			331		0		3		90			
5	1696	60	62.7	70		328									*
6															
7	7400	108				302				6					
12	887	23		85					1MS		5	0			
22			27.5	98			117					7		100	
25	479	87	35.3	85			126	1MS	30MS			1			
26	4428		27.6	90	30	127		1MS			3	90	100		*
41															
43															
46															
47															
49															
55				105		179									*
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109							299		15S						
110															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS	LINES SELECTED (%)	MISC
118	2878	90		102		120					5			100	
150															
156															
161				75		140			00			80		100	
163	1875	34	28.3	70	40	288		1R	80S	5		90		90	
166				80		156									
167		66		85											
168										0					
170															
171															
181															
182															
183															
184															
188															
191															
196															
198															

85	SWM801853	AU/3/MINN//HK/MDA38/4/YMH/ERA/5/BOW	SW	ID# =	850633 0R8500633P
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1															
2															
4	5337	90	33.8			320			20MS		4	90			
5	3029	108	77.	75		319									*
6															
7	7344	107				306					9				
12	2808	75		80					58		1	4			
22			21.	86								5			100
25	514	94	20.	95		115			40MS	10MS		1			
26				100	30	124				1MS		7	90		100
41						129									
43															
46															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS	LINES SELECTED (%)	MISC
47															
49															
55				80											
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109															
110															
118	2878	90		80											
150															
156															
161	2574	200	38.	70		140									
163	4375	81	24.9	58	10	272									
166															
167		80		75		156									
168															
170															
171															
181															
182															
183															
184															
188															
191															
196															
198															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E STAND T	WINTER HDNS	LINES SELECTED (%)	MISC
86 SWM 5784	F12.71/COC									-0	ID# =	3870144		
1														
2														
4	6560	111	37.			323		30MS		4		90		*
5	4060	145	73.	70		326								*
6														
7	6142	89				311				9				
12	2654	71		80				0		1	4			
22			21.6	90		118					8		100	
25	462	84	26.4	78		129	1MR	30MS			3			
26				110	30	129		1MS		7	90	100		
41														
43														
46														
47														
49														
55				90		170								*
57														
72														
73														
74														
75														
82														
85														
86														
101														
104														
109						302		10MS						
110														
118	1605	50		90		125				7		100		
150														
156														

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER.	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC	
161				70		143		60S				90		100		
163	2125	39	30.6	70	10	280		10S	10R	7		90		90	*	
166				75		158										
167		89		70												
168								0								
170																
171																
181																
182																
183																
184																
188																
191																
196																
198																

87	H85094	H85094											w	ID# =	3870449
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1															
2															
4	5281	89	38.4			322		80S		5		90			
5				65		325									
6															
7	9198	134				310				6					
12	1427	38		80				80S		3	3				
22			29.9	90		116						5		100	
25	687	126	27.9	81		125	1MR	1MR			3				
26				100	30	129		1MS		7	90		100		
41															
43															
46															
47															
49															
55					100	169							*		

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS	LINES SELECTED (%)	MISC
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109						299									
110															
118	2086	90		85		122					1		100		
150															
156															
161															
163	1175	21	21.2	70	10	142		60S			90		100		
166				60		272		70S	50MS	7	90		90		
167				75		157									
168				80											
170							0								
171															
181															
182															
183															
184															
188															
191															
196															
198															

88	SW0802206	SWM790756, F1/5/AU//MINN/HK/3/38MA/4/YMH/ERA	-0	ID# =	850863 OR8500863H
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TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST T	WINTER HDNS	LINES SELECTED (%)	MISC
2															
4	5810	98	35.6			320		40MS		4		90			
5				75		317									
6															
7	7030	102				307				9					
12	3335	89		85				60S		1	1				
22			27.8		93		115				0		100		
25	561	102	20.2		90		126	1MR	40S						
26				95	30	121		1MS		7	90		100		
41															
43															
46															
47															
49															
55				80		167									
57															
72															
73															
74															
75															
82															
85															
86															
101															
104															
109							299		40S						
110															
118	2280	71		95		119							100		
150															
156															
161	3432	266	44.4	75		143		5MR				100	100		
163	3000	55	26.3	65	20	273		60S	10R	6		90	90	*	
166				80		157									
167			91	80										*	

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000GW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS	LINES SELECTED (%)	MISC
168											0				
170															
171															
181															
182															
183															
184															
188															
191															
196															
198															

89	OK81322	PAYNE//T101/AMI			HR	ID# =	3423
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1															
2															
4	7478	126	36.			324		0		3		90			
5				80		327									
6															
7	7203	105				310				8					*
12	1994	53		95				0		2		0			
22			24.7	100		117						0		100	
25	815	149	24.4	83		126	1MR	1MR				3			
26				115	30	130	1MR	1R		5		90		100	
41															
43															
46															
47															
49															
55				95		171									
57															
72															
73															
74															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS	LINES SELECTED (%)	MISC
75															
82															
85															
86															
101															
104															
109	3400	84				300									*
110															
118	3242	101		100		125					1		100		
150															
156															
161	5291	411	41.8	75		138					100		100		
163	3312	61	27.6	70	10	298					90		90		
166				85		157									
167		80		75											
168											0				
170															
171															
181															
182															
183															
184															
188															
191															
196															
198															

90	SWM844796	SN64//SKE/ANE*2/3/SX/4/BEZ/5/BOWS		HW	ID# =	890230 OR 890230
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1						
2						
4	5949	100	34.4			
5				70		
6					313	40MS
					313	6
						90

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E STAND T	WINTER HDNS	LINES SELECTED (%)	MISC
7	7141	104				301				7				
12	1767	47		90				60S	30S	4	2			
22			25.7	97		115					5			
25	669	122	29.6	86		125	1R	1R						
26				85		126	5MS	1R		5	90			
41														
43														
46														
47														
49														
55				95		173								
57														
72														
73														
74														
75														
82														
85														
86														
101														
104														
109						299			158					
110														
118	3425	107		96		119				2				
150														
156														
161				75		139		20MS						
163	1812	33	29.6	60	10	267		15MS	40MR	7	100			*
166				85		157					90			*
167			116	85										*
168							0							
170														
171														
181														

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 16th International Winter X Sprint Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G	STAND EST	WINTER HDNS	LINES SELECTED (%)	MISC
182															
183															
184															
188															
191															
196															
198															

TABLE 3- 4. Entries Selected for Over All Agronomic Performance at Location 4 in Rainfall Zone 2

COUNTRY: Argentina LATITUDE: 37°45'S LONGITUDE: 58°18'W ELEVATION: 130M
 STATE: Buenos Aires DATE PLANTED: 08/03/92 DATE HARVESTED: 01/15/93
 STATION: E.E.A. INTA - Balcarce MOISTURE: 340MM TOTAL FERTILIZER: 150 N 50 P
 COOPERATORS: Jose Horacio Bariffi LOCAL CHECK VARIETY USED IN THIS NURSERY: B3985

COMMENTS: Good rain distribution; good conditions during filling stage.

An Asterix (*) Above Column Headings Indicates that Character Was Weighted:

ENTRY	YIELD (Kg/Ha)	% OF CHECK	TEST WT OR 1000 KW	PLANT HEIGHT (cm)	LODGING (%)	DAYS TO FLOWER	PUC	PUC	PUC	SEPTORIA (0-9)	MILDEW (0-9)	STAND EST	WINTER HDNS	SEL MISC
							S	R	G					
5	5893.6	100	34.4			323		10MS		5		90		
59	6866.6	116	44.0			318		5MS		5		90		*
37	7589.4	128	35.0			320		5MS		5		90		*
58	5476.6	92	36.4			321		5MS		3		90		*
62	5615.6	95	39.8			318		30MS		4		90		*
10	5448.8	92	36.0			320		20MS		4		90		*
39	6032.6	102	39.6			313		20MS		6		90		*
85	5337.6	90	33.8			320		20MS		4		90		
30	5004.0	84	37.8			321		1MR		4		90		
88	5810.2	98	35.6			320		40MS		4		90		
41	6143.8	104	34.0			321		10MS		5		90		*
89	7478.2	126	36.0			324		0		3		90		
90	5949.2	100	34.4			313		40MS		6		90		
49	5115.2	86	44.2			317		0		5		90		*
38	6449.6	109	36.8			321		5MS		6		90		*
14	5615.6	95	30.4			320		0		5		90		*
53	4281.2	72	36.0			321		1MR		4		90		
25	5726.8	97	37.0			318		70MS		5		90		*
66	5921.4	100	39.2			318		20MS		7		90		
28	5615.6	95	44.0			315		80S		5		90		
48	4531.4	76	36.2			309		30MS		6		90		
65	5810.2	98	39.0			322		10MS		5		90		*
15	333.6	5	30.4			320		0		4		10		
26	4587.0	77	35.0			319		30MS		5		90		
22	4225.6	71	44.4			318		60MS		4		90		
18	4309.0	73	34.8			320		40MS		4		90		

TABLE 3- 5. Entries Selected for Over All Agronomic Performance at Location 5 in Rainfall Zone 1

COUNTRY: Argentina LATITUDE: 37°50'S LONGITUDE: 63°01'W ELEVATION: 212M
 STATE: Buenos Aires DATE PLANTED: 7/27/92 DATE HARVESTED: 1/15/93
 STATION: INTA-E.E.A. Bordenave MOISTURE: 401MM TOTAL FERTILIZER:
 COOPERATORS: ING. AGR. Juan Ramon Lopez LOCAL CHECK VARIETY USED IN THIS NURSERY: Poinca Pioque

COMMENTS: Conditions favorable for planting. Precipitation superior at normal occurrence. 23 days of below 0 C.

An Asterix (*) Above Column Headings Indicates that Character Was Weighted:

* * *

ENTRY	YIELD (Kg/Ha)	% OF CHECK	TEST WT OR 1000 KW	PLANT HEIGHT (cm)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPTORIA (0-9)	MILDEW (0-9)	STAND EST	WINTER HDNS (%)	SEL (%)	MISC
5	2787.6	100	76.1	75		316									*
	1.8			85		330									

TABLE 3- 7. Entries Selected for Over All Agronomic Performance at Location 7 in Rainfall Zone 1

COUNTRY: Argentina
STATE: Buenos Aires
STATION: Cridero Buck
COOPERATORS:

LATITUDE: 38°20'S LONGITUDE: 57°00'W ELEVATION: 72M
DATE PLANTED: 6/20/92 DATE HARVESTED: 1/12/93
MOISTURE: 438MM TOTAL FERTILIZER:
LOCAL CHECK VARIETY USED IN THIS NURSERY: Buck Baquai

COMMENTS: 5 days of below 0 C.

An Asterix (*) Above Column Headings Indicates that Character Was Weighted.

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ENTRY	YIELD (Kg/Ha)	% OF CHECK	TEST OR 1000 KW	WT Kg	PLANT HEIGHT (cm)	LODGING (%)	TEST TO FLOWER	PUC S	PUC R	PUC G	SEPTORIA (0-9)	MILDEW (0-9)	STAND EST (%)	WINTER HDNS	SEL	MISC
5	6826.5	100					311									
84	7400.0	108					302				6					
81	7455.5	109					306				7					
90	7141.0	104					301				7					
82	7622.0	111					307				6					
42	6771.0	99					300				8					
78	7821.8	114					307				8					
75	7237.2	106					306				8					
53	6201.2	90					300				8					
23	7022.6	102					307				7				*	
87	9198.2	134					310				6					
48	6574.9	96					296				9					
4	4440.0	65					298				7					
68	6956.0	101					300				9					
43	5749.8	84					300				8					
50	6142.0	89					301				8					
38	7492.5	109					306				9					
44	6586.0	96					299				9					
39	6882.0	100					300				9					
85	7344.5	107					306				9					
58	5461.2	80					301				8					
59	6053.2	88					300				9					
37	7252.0	106					302				9					
67	5550.0	81					297				9					
88	7030.0	102					307				9					
77	6874.6	100					307				9					

TABLE 3- 12. Entries Selected for Over All Agronomic Performance at Location 12 in Rainfall Zone 3

COUNTRY: Brazil LATITUDE: 28°38'S LONGITUDE: 53°36'W ELEVATION: 473M
 STATE: RioGrande Do Sul DATE PLANTED: 6/20/92 DATE HARVESTED: 11/21/92
 STATION: Fundo - CNPT MOISTURE: 730MM TOTAL FERTILIZER: 65N 75P 75K
 COOPERATORS: Research Team LOCAL CHECK VARIETY USED IN THIS NURSERY: BR 23

COMMENTS: Rainfall normal during the test, but lower during harvesting. Good productivity. Temperature within the ranges of normal. 5 days of below 0 C.

An Asterix (*) Above Column Headings Indicates that Character Was Weighted:

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*

*

ENTRY	YIELD (Kg/Ha)	% OF CHECK	TEST WT OR 1000 KW	PLANT HEIGHT (cm)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPTORIA (0-9)	MILDEW (0-9)	STAND EST	WINTER HDNS	SEL MISC
5	3728.5	100		90			30S			1	3			
89	1994.3	53		95			0			2	0			
22	2641.3	70		110			80S	10S		1	0			
74	1600.8	42		90			1MR			4	0			
59	3555.1	95		85			30S			1	3			
85	2800.1	75		80			56			1	4			
88	3335.0	89		85			60S			1	1			
58	1487.4	39		90			10MS			4	0			
37	2247.8	60		90			20S			3	1			
46	2674.7	71		90			40S	10MS		2	3			
39	2121.1	56		75			10S			2	4			
86	2654.7	71		80			0			1	4			
66	2821.4	75		90			0			3	3			
57	1140.6	30		95			10MS			4	0			
26	1760.9	47		85			40S			4	0			
67	980.5	26		90			10MR	10S		4	0			
64	2347.8	62		85			20S			3	4			
10	1807.6	48		95			10MR			3	4			
69							60S	20S		4	0			
82	1874.3	50		80			0	10S		5	0			
35	1901.0	50		80			5S			3	4			
43	1407.4	37		85			0	1S		3	3			
28	2334.5	62		90			80S			1	2			
3	1954.3	52		65			80S	10MS		4	0			
76	2494.6	66		95			0			2	4			
42	1287.3	34		80			10MS			3	2			

TABLE 3- 26. Entries Selected for Over All Agronomic Performance at Location 26 in Rainfall Zone 2

COUNTRY: China
 STATE: Shaanxi
 STATION: Shaanxi Acad. of Ag. Sciences
 COOPERATORS: Ning Kun

LATITUDE: 34°38'N LONGITUDE: 108°04'E ELEVATION: 505M
 DATE PLANTED: 10/11/92 DATE HARVESTED: 6/17/93
 MOISTURE: 244MMI TOTAL FERTILIZER: 69N 104P
 LOCAL CHECK VARIETY USED IN THIS NURSERY: Shaanxinao 7859

COMMENTS: This year there was a light drop in the temperature and mature period got late. 34 days of below 0 C.

An Asterix (*) Above Column Headings Indicates that Character Was Weighted:

ENTRY	YIELD (Kg/Ha)	% OF CHECK	TEST WT OR 1000 KW	PLANT HEIGHT (cm)	LODGING (%)	DAYS TO FLOWER	PUC	PUC	PUC	SEPTORIA (0-9)	MILDEW (0-9)	STAND EST (%)	WINTER HDNS (%)	SEL MISC
							S	R	G					*
5	100			90		120	1MR	1R		3	3	90	100	
69				105		129		1R		3	3	90	100	
53				107		132		1MS		3	3	90	100	
29	33.4			110		128		1R		3	3	90	100	*
30				110		131		1MS		3	3	90	100	
18	38.1			105		131	1MR	1MS		3	3	90	100	*
74	41.8			105	30	128		1R		2	3	90	100	*
75	45.0			105	30	127		1R		2	3	90	100	*
59	6022.8			100		131		1R		3	3	90	100	*
78				100		128		1MS		3	3	90	100	
57				107		131		1R		3	3	90	100	
10				114	30	129		1MR		3	3	90	100	
63				100		130		1MS	1R			90	100	
84	4428.5			90	30	127		1MS		3		90	100	*
72				110	30	128	1MR	1R		3	3	90	100	
8	36.3			113	30	129		1MR		3	3	90	100	*
7				105	30	129		1MR		3	3	90	100	
89				115	30	130	1MR	1R				90	100	
39				105		132		1MR			3	90	100	
17				113		132		1MS			3	90	100	
73				100	30	128		1R			3	90	100	
14				103		129	6MS	1R			3	90	100	
58				106		130		1R			3	90	100	
64	34.6			105		128		1R			3	90	100	*
23				105		129	1MR	1R			3	90	100	
65				95		129		1R		5	3	90	100	

TABLE 3- 22. Entries Selected for Over All Agronomic Performance at Location 22 in Rainfall Zone 1

COUNTRY: China LATITUDE: 32° N LONGITUDE: 119° E ELEVATION: 19.4M
 STATE: Nanjing, Jiangsu DATE PLANTED: 10/21/92 DATE HARVESTED: 6/5/93
 STATION: Institute of Food Crops, Acad. of Ag. Sc. MOISTURE: 419MMI TOTAL FERTILIZER: 300N 150P
 COOPERATORS: Cao Yang LOCAL CHECK VARIETY USED IN THIS NURSERY: Yandomai 158

COMMENTS: 76 days of below 0 C.

An Asterix (*) Above Column Headings Indicates that Character Was Weighted:

ENTRY	YIELD (Kg/Ha)	% OF CHECK	TEST WT OR 1000 KW	PLANT HEIGHT (cm)	LODGING (%)	DAYS TO FLOWER	PUC			SEPTORIA (0-9)	MILDEW (0-9)	STAND EST	WINTER HDNS	SEL	MISC
							S	R	G						
5	100	39.9		87		110						5		100	
23		31.7		94		115						0		100	
88		27.8		93		115						0		100	
42		26.9		92		115						0		100	
53		25.5		90		116						0		100	
4		36.8		90		115						5		100	
78		30.0		90		116						0		100	
1		39.8		135		115						5		100	
43		30.5		97		115						5		100	
82		30.2		87		116						0		100	
85		21.0		86		115						5		100	
58		29.7		97		116						0		100	
51		25.8		86		116						0		100	
90		25.7		97		115						5		100	
49		20.9		82		111						7		100	
3		28.9		72		110						7		100	
7		30.3		103		116						5		100	
77		24.1		76		115						7		100	
87		29.9		90		116						5		100	
46		31.7		100		115						7		100	
13		29.6		85		117						0		100	
44		27.1		97		115						7		100	
15		23.5		73		117						0		100	
67		23.2		89		115						7		100	
89		24.7		100		117						0		100	
48		30.7		92		112						7		100	

TABLE 3- 25. Entries Selected for Over All Agronomic Performance at Location 25 in Rainfall Zone 3

COUNTRY: China LATITUDE: 36°15'N LONGITUDE: 117°06'E ELEVATION: 150M
 STATE: Shandong Prov. DATE PLANTED: 10/11/92 DATE HARVESTED: 7/13/93
 STATION: Shandong Agricultural University MOISTURE: 159MMI TOTAL FERTILIZER: 266N 345P
 COOPERATORS: Li Anfei LOCAL CHECK VARIETY USED IN THIS NURSERY: Lu mei 14

COMMENTS: Cold and dry winter, dry and windy spring. Air temperature is lower than normal and it was cloudy after heading. 42 days of below 0 C.

An Asterix (*) Above Column Headings Indicates that Character Was Weighted:

ENTRY	YIELD (Kg/Ha)	% OF CHECK	TEST WT OR 1000 KW	PLANT HEIGHT (cm)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPTORIA (0-9)	MILDEW (0-9)	STAND EST	WINTER HDNS	SEL	MISC
5	545.1	100	37.8	80		119	30MS	20MS				1			
68	699.4	128	29.0	79		124	1R	1R				1			
19	583.9	107	29.9	92		123	1R	1R				1			
90	669.7	122	29.6	86		125	1R	1R							
35	659.8	121	29.6	87		125	1R	1R							
36	620.2	113	29.4	89		125	1R	1R							
52	547.3	100	24.6	93		124	1R	1R							
38	549.4	100	32.0	87		125	1R	1R							
78	551.9	101	30.9	71		125	1R	1R							
23	527.3	96	28.2	97		125	1R	1R				1			
49	617.8	113	29.1	98		124	10MS	1MR				1			
28	493.8	90	35.8	103		124	1R	1MR							
59	577.5	105	27.5	83		124	1MR	10MS				1			
53	462.3	84	26.5	98		125	1R	1R							
46	374.3	68	33.0	97		123	1R	1MR				1			
4	678.3	124	36.8	88		122	30MS	10MS				3			
87	687.5	126	27.9	81		125	1MR	1MR				3			
67	400.3	73	26.9	96		123	1R	1MR							
37	653.3	119	29.2	91		127	1R	1R				1			
50	517.8	94	28.4	87		126	1R	1R							
48	604.9	110	32.2	89		121	30MS	85S				1			
6	524.7	96	34.0	97		126	1R	1R							
51	440.4	80	24.4	87		124	1R	1MR				3			

TABLE 3-109. Entries Selected for Over All Agronomic Performance at Location 109 in Rainfall Zone 1

COUNTRY: Argentina
 STATE: Buenos Aires
 STATION: Criadero - ACA
 COOPERATORS: Ing R. Miranda, A. Junquera

LATITUDE: 38°29'S LONGITUDE: 61°54'W ELEVATION: 159M
 DATE PLANTED: 5/6/92 DATE HARVESTED: 12/26/92
 MOISTURE: 454MM TOTAL FERTILIZER:
 LOCAL CHECK VARIETY USED IN THIS NURSERY: Cooperacion Nani

COMMENTS: There was good rainfall during growing season. 8 days of below 0 C.

An Asterix (*) Above Column Headings Indicates that Character Was Weighted:

ENTRY	YIELD (Kg/Ha)	% OF CHECK	TEST WT OR 1000 KW	PLANT HEIGHT (cm)	LODGING (%)	DAYS TO FLOWER	PUC	PUC	PUC	SEPTORIA (0-9)	MILDEW (0-9)	STAND EST	WINTER HDNS	SEL	MISC
							S	R	G						
5	4000.0	100				302				10MR					
46						295				5MS					
67						295				5MS					
78						297				00					
43						296				10MR					
53						296				5MS					
59						296				5MS					
71						298				5MS					
41						298				5MS					
64						298				5MS					
15						298				5MS					
82	3560.0	88				299				00					*
48						295				10MS					
42						295				10MS					
8	3675.0	91				299				1R					*
61	3915.0	97				299				5MS					*
58						296				10MS					
36						299				5MR					
85						299				5MS					
10						299				5MS					
39						299				5MS					
75						299				5MS					
38						298				10MS					
57						298				10MS					
50						298				10MS					
13						298				10MS					

TABLE 3-118. Entries Selected for Over All Agronomic Performance at Location 118 in Rainfall Zone 1

COUNTRY: China
 STATE:
 STATION: Jinan
 COOPERATORS: Meng Lanyu

LATITUDE: 36°42'W LONGITUDE: 117°04'E ELEVATION: 24 M
 DATE PLANTED: 10/8/92 DATE HARVESTED: 6/15/93
 MOISTURE: 230MMI TOTAL FERTILIZER: 150N
 LOCAL CHECK VARIETY USED IN THIS NURSERY: Lu Mai 14

COMMENTS: The temperature was higher than usual and the rainfall was not enough from Nov. to April. 107 days of below 0 C.

An Asterix (*) Above Column Headings Indicates that Character Was Weighted:

ENTRY	YIELD (Kg/Ha)	% OF CHECK	TEST WT OR 1000 KW	PLANT HEIGHT (cm)	LODGING (%)	DAYS TO FLOWER	PUC	PUC	PUC	SEPTORIA (0-9)	MILDREW (0-9)	STAND EST	WINTER HDNS	SEL	MISC
							S	R	G						
5	3181.5	100		80		117						2		100	
28	3696.6	116		108		118						2		100	
37	3302.7	103		97		119						2		100	
90	3425.4	107		96		119						2		100	
1	2923.9	91		130		118						2		100	
22	3043.6	95		107		119						2		100	
24	2227.0	70		95		118						2		100	
67	2196.7	69		92		119						2		100	
44	2105.8	66		102		119						2		100	
58	1972.5	61		104		119						2		100	
81	2954.2	92		100		120						2		100	
43	1528.6	48		100		119						2		100	
59	4060.2	127		90		117						1		100	
62	2727.0	85		106		120						4		100	
85	2878.5	90		80		119						2		100	
6	2696.7	84		100		119						3		100	
7	3575.4	112		95		120						3		100	
64	3378.4	106		100		119						3		100	
4	3714.8	116		90		116						4		100	
42	1530.1	48		90		120						5		100	
87	2886.1	90		85		122						1		100	
66	2757.3	86		105		120						1		100	
57	2492.2	78		124		119						1		100	
10	3333.0	104		100		121						3		100	
19	1075.6	33		95		119						3		100	
29	3529.9	110		92		120						3		100	

TABLE 3-161. Entries Selected for Over All Agronomic Performance at Location 161 in Rainfall Zone 1

COUNTRY: USSR
 STATE: Krasnodar
 STATION: Wheat Breeding Dept.
 COOPERATORS: Dr. Y. Puchov

LATITUDE: 45°01'E LONGITUDE: 38°57'N ELEVATION: 30 M
 DATE PLANTED: 10/19/92 DATE HARVESTED: 7/14/93
 MOISTURE: 538MM TOTAL FERTILIZER: 60N 90P 60K
 LOCAL CHECK VARIETY USED IN THIS NURSERY:

COMMENTS: Strong and freezing winter was observed, spring was cold and rainy. 106 days of below 0 C.

An Asterix (*) Above Column Headings Indicates that Character Was Weighted:
 * * *

ENTRY	YIELD (Kg/Ha)	% OF CHECK	TEST WT OR 1000 KW	PLANT HEIGHT (cm)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPTORIA (0-9)	MILDEW (0-9)	STAND EST	WINTER HDNS	SEL	MISC
5	1287.0	100	45.8	65		138		1R				60	100		
89	5291.0	411	41.8	75		138		00				10	100		
82	3289.0	255	51.8	70		138		00				90	100		
84				75		140		00				80	100		
36				70		140		00				90	100		
3	429.0	33	47.2	55		138		00				50	100		
7	3575.0	277	49.6	80		139		5MR				10	100		
55	3575.0	277	49.6	70		139		5MR				10	100		
53	3861.0	300	48.6	70		139		5MR				10	100		
85	2574.0	200	38.0	70		140		00				10	100		
13	3861.0	300	49.0	80		140		5MR				80	100		
71	3146.0	244	45.6	75		140		1R				10	100		
75	3432.0	266	49.0	80		140		5MR				90	100		
33	3289.0	255	42.6	75		140		5MR				90	100		
61	4290.0	333	48.8	70		141		00				10	100		
25	3146.0	244	46.4	70		140		5MR				90	100		
48				80		138		20MS				70	100		
66	4433.0	344	48.0	85		141		00				10	100		
58	3003.0	233	50.2	80		140		1R				90	100		
65	3146.0	244	44.8	75		141		5MR				90	100		
16	2860.0	222	47.8	80		140		5MR				90	100		
63	4576.0	355	47.0	80		142		1R				10	100		
42	2574.0	200	52.0	70		140		5MR				90	100		
62	4004.0	311	45.4	90		142		1R				10	100		
78	2574.0	200	52.0	75		141		00				90	100		
15	3146.0	244	43.0	75		139		20MS				90	100		

TABLE 3-163. Entries Selected for Over All Agronomic Performance at Location 163 in Rainfall Zone 2

COUNTRY: Brazil LATITUDE: 29°13'S LONGITUDE: 53°40'W ELEVATION: 514M
 STATE: Rio Grande Do Sul DATE PLANTED: 04/07/92 DATE HARVESTED:
 STATION: Estacao Experiment Station MOISTURE: 604MM TOTAL FERTILIZER: 60N 75P 60K
 COOPERATORS: Fundacep/Cientec LOCAL CHECK VARIETY USED IN THIS NURSERY: RS-8 WestPhalen

COMMENTS: 12 Days were below 0C.

An Asterix (*) Above Column Headings Indicates that Character Was Weighted:

ENTRY	YIELD (Kg/Ha)	% OF CHECK	TEST	WT	PLANT	LODGING	DAYS	PUC	PUC	PUC	SEPTORIA	MILDEW	STAND	WINTER	SEL MISC
			OR 1000 KW	OR 1000 KW	HEIGHT (cm)	(%)	TO FLOWER	S	R	G	(0-9)	(0-9)	EST	(%)	HDNS

5	5375.0	100	31.7	85	60	272		1R	10R	5		10	90	
59	5812.5	108	36.6	70	10	272		40S	10R	6		90	95	*
39	3500.0	65	31.1	62	15	267		1S	60MS	7		10	90	*
66	3500.0	65	31.7	78	30	267		5S	50MS	7		90	90	
85	4375.0	81	24.9	58	10	272		10MS	10R	7		95	90	*
28	3500.0	65	32.3	72	40	263		20S	50MS	6		90	90	
62	4750.0	88	31.8	80	30	277		1R	60MS	5		95	90	*
46	4250.0	79	36.1	85	80	272		10MS	50MS	7		10	90	*
38	2625.0	48	29.5	64	15	271		1R	70S	6		10	90	*
22	4500.0	83	41.8	87	60	272		40S	5R	7		10	95	*
67	1750.0	32	25.1	78	10	267		1R	80S	4		90	90	
76	3700.0	68	31.7	75	40	285		1R	10R	6		90	90	*
43	2375.0	44	26.3	78	15	269		20S	60MS	6		90	95	
26	2575.0	47	30.3	77	15	278		10R	40MR	4		90	90	
37	1875.0	34	25.6	68	15	272		10S	60MS	6		90	90	
44	2625.0	48	27.4	72	10	272		80S	10R	7		90	90	
88	3000.0	55	26.3	65	20	273		40S	10R	6		90	90	*
3	3500.0	65	28.8	60	10	262		80S	80S	7		90	90	
8	2750.0	51	33.4	68	20	285		1MS	10R	4		90	90	*
14	1500.0	27	25.1	62	0	278		10R	60MR	4		90	90	
42	2000.0	37	32.5	70	25	280		10MS	10R	6		90	90	*
41	3375.0	62	25.6	72	15	280		20S	10R	7		95	90	*
25	3875.0	72	26.9	72	30	272		40S	70S	8		10	90	*
78	3375.0	62	30.9	66	10	289		1R	50MS	2		85	90	*
86	2125.0	39	30.6	70	10	280		10S	10R	7		90	90	*
7	2125.0	39	30.9	70	10	288		0	40MR	5		90	90	*

TABLE 3-166. Entries Selected for Over All Agronomic Performance at Location 166 in Rainfall Zone 3

COUNTRY: Turkey LATITUDE: °36'N LONGITUDE: °31'E ELEVATION: 1025M
 STATE: Konya DATE PLANTED: 10/4/92 DATE HARVESTED: 7/20/93
 STATION: Bahri Dagdas International Research Ctr. MOISTURE: 300MMI TOTAL FERTILIZER: 70N 70P
 COOPERATORS: Hasan Ekit, S. Ahmet Bagci LOCAL CHECK VARIETY USED IN THIS NURSERY: Gerek, Gun91

COMMENTS: Fall was dry, winter was cold, we had some snow cover, but not much. Early spring was drought. May and June had plenty of rain. 46 days of below 0 C.

An Asterix (*) Above Column Headings Indicates that Character Was Weighted:

*

ENTRY	YIELD (Kg/Ha)	% OF TEST CHECK	WT OR 1000 KW	PLANT HEIGHT (cm)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPTORIA (0-9)	MILDEW (0-9)	STAND EST	WINTER HDNS	SEL	MISC
5	100			105		155									*
7						158									
43				70		159									

TABLE 3-167. Entries Selected for Over All Agronomic Performance at Location 167 in Rainfall Zone 3

COUNTRY: Iran LATITUDE: 35°50'N LONGITUDE: 50°58'E ELEVATION: 1300M
 STATE: Tehran DATE PLANTED: 10/20/92 DATE HARVESTED: 7/10/93
 STATION: Karaj MOISTURE: 7250MMI TOTAL FERTILIZER: 60N 30P
 COOPERATORS: N. Banisadr, H.K. Saberi LOCAL CHECK VARIETY USED IN THIS NURSERY: Sardari

COMMENTS: Total precipitation was more than longterm average and meanwhile with mild winter.

An Asterix (*) Above Column Headings Indicates that Character Was Weighted:

*

ENTRY	YIELD (Kg/Ha)	% OF CHECK	TEST WT OR 1000 KW	PLANT HEIGHT (cm)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPTORIA (0-9)	MILDEW (0-9)	STAND EST	WINTER HDNS (%)	SEL MISC
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5	100			95										
7					85									
43					80									

TABLE 3-168. Entries Selected for Over All Agronomic Performance at Location 168 in Rainfall Zone 2

COUNTRY: Yugoslavia

LATITUDE: 45°03'N LONGITUDE: 19°08'E ELEVATION: 84M

STATE:

DATE PLANTED: 3/3/92 DATE HARVESTED: 7/3/92

STATION: Novi Sad

MOISTURE: 216MM TOTAL FERTILIZER: 150N 75P 75K

COOPERATORS: Dr. Srbislav Dencic

LOCAL CHECK VARIETY USED IN THIS NURSERY: Evroda

COMMENTS: Planting date was in time for spring types. Extremely dry during the spring and wet in second part of May and June. 16 days of below 0 C.

An Asterix (*) Above Column Headings Indicates that Character Was Weighted:

* * * *

ENTRY	YIELD (Kg/Ha)	% OF CHECK	TEST WT OR 1000 KW	PLANT HEIGHT (cm)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPTORIA (0-9)	MILDEW (0-9)	STAND EST	WINTER HDNS	SEL MISC
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5	100		60		152		10R			0	1	70		
66			70		146		0					70		
43			58		147		0			0	1	70		
10			77		147		5R			0	1	50		
65			65		147		0					70		
61			65		147		0					90		
46			65		145		0			0	3	50		
23			69		147		1R			1	1	90		
24			72		145		50S			0	1	80		
64			63		147		5R					70		
25			66		147		40MS			0	1	70		
44			62		146		1R			1	3	80		
14			67		148		1R			0	1	70		
27			77		143		10R			1	2	80		
36			68		148		5R			0	1	60		
15			65		147		5R			1	2	70		
3			41		136		5R			3	5	80		
38			66		147		5R			1	3	90		
62			78		148		5R					80		
49			63		148		1R			0	3	60		
37			60		148		5R			0	2	70		
11			61		148		20MR			0	1	60		
28			82		142		10MR			1	5	80		
35			59		149		1R			0	1	70		
7			63		148		5R			0	3	60		
47			79		147		60S			0	3	70		

TABLE 4. Entries Selected for their Yield Response Over All Locations Reporting

Minimum-Maximum/Number of Locations Reporting for the Following Trait:

Entry Number	Yield (Kg/Ha)	Days to Flower From Jan 1	Winter Hardiness (%)	Puccinia Striiformis	Puccinia Recondita	Puccinia Graminis	Septoria (0-9)	Mildew (0-9)
62	2654- 8406/ 8	119-325/12	90-100/ 5	1R - 1R / 1	1R - 30MS/ 6	60MS-60MS/ 1	4-5/ 4	1-5/ 4
89	1994- 7478/ 8	117-327/11	90-100/ 5	1MR- 1MR/ 1	00 - 1MR/ 4	60MS-60MS/ 1	2-8/ 5	0-3/ 4
59	3555- 6866/ 6	115-318/12	95-100/ 5	1MR- 1MR/ 1	5R - 40S / 7	10R -10R / 1	1-9/ 5	1-7/ 5
76	2494- 7596/ 7	118-332/11	90-100/ 5	45S -45S / 1	1R -60S / 4	10R -10R / 1	2-7/ 4	3-7/ 3
10	1807- 7633/ 7	118-320/12	80-100/ 5	70S -70S / 1	1S -20MS/ 7	70S -70S / 1	0-6/ 5	1-5/ 6
85	2574- 7344/ 8	115-320/11	90-100/ 5	40MS-40MS/ 1	00 -20MS/ 6	10R -10R / 1	1-9/ 5	1-5/ 4
28	2334- 6308/ 6	115-315/12	90-100/ 5	1R - 1R / 1	1MR-80S / 7	50MS-50MS/ 1	1-6/ 5	2-7/ 5
38	1867- 7492/ 7	116-321/12	90-100/ 5	1R - 1R / 1	1R -10MS/ 6	70S -70S / 1	1-9/ 6	3-7/ 5
37	1875- 7589/ 8	116-325/12	90-100/ 5	1R - 1R / 1	1R -20S / 7	60MS-60MS/ 1	0-9/ 6	1-7/ 6
41	2107- 6143/ 7	117-326/12	90-100/ 5	1R - 1R / 1	1MR-40S / 7	10R -10R / 1	0-7/ 6	3-7/ 6
66	2757- 5921/ 7	117-318/12	90-100/ 5	40S -40S / 1	00 -30S / 5	50MS-50MS/ 1	3-9/ 5	3-7/ 4
88	2280- 7030/ 7	115-320/11	90-100/ 5	1MR- 1MR/ 1	5MR-60S / 6	10R -10R / 1	1-9/ 5	0-1/ 2
22	2641- 7381/ 6	117-318/12	95-100/ 5	10MS-10MS/ 1	40S -80S / 7	5R - 5R / 1	1-7/ 5	0-5/ 6
78	1407- 7821/ 8	116-332/11	90-100/ 5	1R - 1R / 1	00 - 1R / 4	50MS-50MS/ 1	2-8/ 5	0-3/ 3
26	1760- 7525/ 7	119-324/12	90-100/ 5	1MR- 1MR/ 1	1MR-40S / 7	40MR-40MR/ 1	3-6/ 5	0-7/ 6
82	1874- 7622/ 8	116-331/11	90-100/ 5	15MS-15MS/ 1	00 -30MS/ 5	80S -80S / 1	4-8/ 5	0-3/ 4
90	1767- 7141/ 6	115-313/11	80-100/ 5	1R - 1R / 1	1R -60S / 6	40MR-40MR/ 1	4-7/ 5	2-5/ 3
39	1651- 6882/ 6	116-316/12	90-100/ 5	40MS-40MS/ 1	1S -40MS/ 6	60MS-60MS/ 1	1-9/ 6	3-7/ 6
75	2054- 7237/ 7	117-325/11	90-100/ 5	1R - 1R / 1	1MR- 5MS/ 5	60MS-60MS/ 1	2-8/ 5	3-7/ 4
25	1511- 6197/ 8	115-318/12	90-100/ 5	5MS- 5MS/ 1	5MR-60S / 7	70S -70S / 1	0-9/ 6	1-9/ 6
86	1605- 6560/ 7	118-326/11	90-100/ 5	1MR- 1MR/ 1	10MS-60S / 5	10R -10R / 1	1-9/ 5	3-8/ 4
61	1667- 5420/ 9	116-324/12	85-100/ 5	1R - 1R / 1	00 -30S / 6	70S -70S / 1	4-9/ 5	3-7/ 4
74	1600- 7492/ 6	117-329/12	95-100/ 5	40S -40S / 1	1MR-60S / 7	40MR-40MR/ 1	2-6/ 5	0-7/ 5
87	1175- 9198/ 6	116-325/11	90-100/ 5	1MR- 1MR/ 1	1MR-80S / 6	50MS-50MS/ 1	3-7/ 5	1-5/ 4
64	2347- 6053/ 6	116-317/12	85-100/ 5	30MS-30MS/ 1	5R -80S / 7	80S -80S / 1	3-9/ 5	3-9/ 4
8	1030- 7992/ 8	118-328/12	90-100/ 5	1R - 1R / 1	1R -10MR/ 5	10R -10R / 1	1-4/ 5	0-5/ 5
7	1380- 6438/ 7	116-328/12	90-100/ 5	1R - 1R / 1	1MR-30MS/ 5	40MR-40MR/ 1	0-5/ 5	3-5/ 5
36	1440- 5883/ 7	116-324/12	80-100/ 5	1R - 1R / 1	00 -20S / 7	80S -80S / 1	0-9/ 6	1-7/ 5
65	1934- 5810/ 8	119-324/12	85-100/ 5	45S -45S / 1	5MR-50S / 5	70S -70S / 1	3-8/ 5	1-7/ 5

TABLE 5. Entries Selected for Earliness Over All Locations Reporting

Minimum-Maximum/Number of Locations Reporting for the Following Trait:

Entry Number	Yield (Kg/Ha)	Days to Flower From Jan 1	Winter Hardiness (%)	Puccinia Striiformis	Puccinia Recondita	Puccinia Graminis	Septoria (0-9)	Mildew (0-9)
48	1720- 6574/ 6	112-309/12	80-100/ 5	30MS-30MS/ 1	1R - 85S / 7	70S -70S / 1	0-9/ 6	1-7/ 4
28	2334- 6308/ 6	115-315/12	90-100/ 5	1R - 1R / 1	1MR-80S / 7	50MS-50MS/ 1	1-6/ 5	2-7/ 5
46	2674- 4948/ 6	115-313/12	90-100/ 5	1R - 1R / 1	1MR-40S / 5	50MS-50MS/ 1	0-9/ 6	1-7/ 5
67	980- 5550/ 6	115-319/12	90-100/ 5	1R - 1R / 1	1R -20S / 6	80S -80S / 1	4-9/ 5	0-7/ 3
3	429- 4773/ 7	110-321/12	90-100/ 5	30MS-30MS/ 1	00 -80S / 6	80S -80S / 1	3-9/ 6	0-7/ 4
39	1651- 6882/ 6	116-316/12	90-100/ 5	40MS-40MS/ 1	1S -40MS/ 6	60MS-60MS/ 1	1-9/ 6	3-7/ 6
90	1767- 7141/ 6	115-313/11	80-100/ 5	1R - 1R / 1	1R -60S / 6	40MR-40MR/ 1	4-7/ 5	2-5/ 3
4	1400- 5593/ 8	115-325/12	90-100/ 5	30MS-30MS/ 1	5R -80MS/ 7	50MS-50MS/ 1	1-8/ 6	3-8/ 6
59	3555- 6866/ 6	115-318/12	95-100/ 5	1MR- 1MR/ 1	5R -40S / 7	10R -10R / 1	1-9/ 5	1-7/ 5
64	2347- 6053/ 6	116-317/12	85-100/ 5	30MS-30MS/ 1	5R -80S / 7	80S -80S / 1	3-9/ 5	3-9/ 4
49	893-10667/ 6	111-325/12	85-100/ 5	10MS-10MS/ 1	1R -80S / 6	70S -70S / 1	0-6/ 5	1-7/ 4
85	2574- 7344/ 8	115-320/11	90-100/ 5	40MS-40MS/ 1	00 -20MS/ 6	10R -10R / 1	1-9/ 5	1-5/ 4
44	1500- 6586/ 6	115-314/12	90-100/ 5	30S -30S / 1	1R -80S / 7	10R -10R / 1	1-9/ 6	2-7/ 6
22	2641- 7381/ 6	117-318/12	95-100/ 5	10MS-10MS/ 1	40S -80S / 7	5R - 5R / 1	1-7/ 5	0-5/ 6
43	1407- 5749/ 8	115-313/12	95-100/ 5	1R - 1R / 1	1R -20S / 4	60MS-60MS/ 1	0-8/ 6	1-5/ 6
25	1511- 6197/ 8	115-318/12	90-100/ 5	5MS- 5MS/ 1	5MR-60S / 7	70S -70S / 1	0-9/ 6	1-9/ 6
1	715- 4559/ 8	115-323/12	90-100/ 5	10MS-10MS/ 1	40MS-80S / 7	10R -10R / 1	1-6/ 5	0-5/ 4
38	1867- 7492/ 7	116-321/12	90-100/ 5	1R - 1R / 1	1R -10MS/ 6	70S -70S / 1	1-9/ 6	3-7/ 5
35	1125- 5686/ 8	116-324/12	85-100/ 5	1R - 1R / 1	1R -20S / 7	70S -70S / 1	0-9/ 6	1-9/ 4
88	2280- 7030/ 7	115-320/11	90-100/ 5	1MR- 1MR/ 1	5MR-60S / 6	10R -10R / 1	1-9/ 5	0-1/ 2
37	1875- 7589/ 8	116-325/12	90-100/ 5	1R - 1R / 1	1R -20S / 7	60MS-60MS/ 1	0-9/ 6	1-7/ 6
29	473- 8006/ 6	116-324/12	70-100/ 5	1R - 1R / 1	1R -60S / 7	60MS-60MS/ 1	3-9/ 5	0-7/ 5
19	646- 6364/ 7	116-327/12	80-100/ 5	1R - 1R / 1	1R -60S / 7	60MS-60MS/ 1	0-9/ 6	0-7/ 5
42	1287- 6771/ 7	115-326/12	90-100/ 5	1R - 1R / 1	1R -10MS/ 6	10R -10R / 1	0-8/ 6	0-3/ 6
58	1487- 5476/ 7	116-329/12	90-100/ 5	1MR- 1MR/ 1	1R -40S / 7	80S -80S / 1	3-8/ 5	0-3/ 5
36	1440- 5883/ 7	116-324/12	80-100/ 5	1R - 1R / 1	00 -20S / 7	80S -80S / 1	0-9/ 6	1-7/ 5

TABLE 6. Entries Selected for Winter Hardiness Over All Locations Reporting

Minimum-Maximum/Number of Locations Reporting for the Following Trait:

Entry Number	Yield (Kg/Ha)	Days to Flower From Jan 1	Winter Hardiness (%)	Puccinia Striiformis	Puccinia Recondita	Puccinia Graminis	Septoria (0-9)	Mildew (0-9)
74	1600- 7492/ 6	117-329/12	95-100/ 5	40S -40S / 1	1MR-60S / 7	40MR-40MR/ 1	2-6/ 5	0-7/ 5
22	2641- 7381/ 6	117-318/12	95-100/ 5	10MS-10MS/ 1	40S -80S / 7	5R - 5R / 1	1-7/ 5	0-5/ 6
43	1407- 5749/ 8	115-313/12	95-100/ 5	1R - 1R / 1	1R -20S / 4	60MS-60MS/ 1	0-8/ 6	1-5/ 6
59	3555- 6866/ 6	115-318/12	95-100/ 5	1MR- 1MR/ 1	5R -40S / 7	10R -10R / 1	1-9/ 5	1-7/ 5
8	1030- 7992/ 8	118-328/12	90-100/ 5	1R - 1R / 1	1R -10MR/ 5	10R -10R / 1	1-4/ 5	0-5/ 5
4	1400- 5593/ 8	115-325/12	90-100/ 5	30MS-30MS/ 1	5R -80MS/ 7	50MS-50MS/ 1	1-8/ 6	3-8/ 6
6	707- 5994/ 6	115-326/12	90-100/ 5	1R - 1R / 1	1R -30MS/ 7	50MS-50MS/ 1	0-8/ 6	1-7/ 5
7	1380- 6438/ 7	116-328/12	90-100/ 5	1R - 1R / 1	1MR-30MS/ 5	40MR-40MR/ 1	0-5/ 5	3-5/ 5
26	1760- 7525/ 7	119-324/12	90-100/ 5	1MR- 1MR/ 1	1MR-40S / 7	40MR-40MR/ 1	3-6/ 5	0-7/ 6
27	346- 8339/ 7	123-323/12	90-100/ 5	1MR- 1MR/ 1	1R -80MS/ 7	80S -80S / 1	1-7/ 5	0-7/ 6
31	1407- 6001/ 7	117-325/12	90-100/ 5	1R - 1R / 1	1R -60S / 7	80S -80S / 1	2-9/ 6	1-7/ 6
37	1875- 7589/ 8	116-325/12	90-100/ 5	1R - 1R / 1	1R -20S / 7	60MS-60MS/ 1	0-9/ 6	1-7/ 6
38	1867- 7492/ 7	116-321/12	90-100/ 5	1R - 1R / 1	1R -10MS/ 6	70S -70S / 1	1-9/ 6	3-7/ 5
14	533- 5661/ 7	119-324/12	90-100/ 5	1R - 1R / 1	1R -20MS/ 6	60MS-60MS/ 1	0-5/ 5	1-7/ 6
41	2107- 6143/ 7	117-326/12	90-100/ 5	1R - 1R / 1	1MR-40S / 7	10R -10R / 1	0-7/ 6	3-7/ 6
42	1287- 6771/ 7	115-326/12	90-100/ 5	1R - 1R / 1	1R -10MS/ 6	10R -10R / 1	0-8/ 6	0-3/ 6
1	715- 4559/ 8	115-323/12	90-100/ 5	10MS-10MS/ 1	40MS-80S / 7	10R -10R / 1	1-6/ 5	0-5/ 4
44	1500- 6586/ 6	115-314/12	90-100/ 5	30S -30S / 1	1R -80S / 7	10R -10R / 1	1-9/ 6	2-7/ 6
46	2674- 4948/ 6	115-313/12	90-100/ 5	1R - 1R / 1	1MR-40S / 5	50MS-50MS/ 1	0-9/ 6	1-7/ 5
55	460- 7148/ 8	119-332/12	90-100/ 5	1MR- 1MR/ 1	1R -30MS/ 7	60MS-60MS/ 1	3-7/ 4	0-2/ 4
56	586- 6341/ 7	119-325/12	90-100/ 5	15S -15S / 1	1MS-90S / 7	90S -90S / 1	4-7/ 4	2-5/ 3
57	1140- 7126/ 7	119-324/12	90-100/ 5	1MR- 1MR/ 1	1MS-60S / 7	70S -70S / 1	3-7/ 5	0-4/ 5
58	1487- 5476/ 7	116-329/12	90-100/ 5	1MR- 1MR/ 1	1R -40S / 7	80S -80S / 1	3-8/ 5	0-3/ 5
25	1511- 6197/ 8	115-318/12	90-100/ 5	5MS- 5MS/ 1	5MR-60S / 7	70S -70S / 1	0-9/ 6	1-9/ 6
62	2654- 8406/ 8	119-325/12	90-100/ 5	1R - 1R / 1	1R -30MS/ 6	60MS-60MS/ 1	4-5/ 4	1-5/ 4
63	240- 7307/ 7	119-338/12	90-100/ 5	1R - 1R / 1	1R -10MS/ 6	80S -80S / 1	3-8/ 5	0-7/ 4
66	2757- 5921/ 7	117-318/12	90-100/ 5	40S -40S / 1	00 -30S / 5	50MS-50MS/ 1	3-9/ 5	3-7/ 4
67	980- 5550/ 6	115-319/12	90-100/ 5	1R - 1R / 1	1R -20S / 6	80S -80S / 1	4-9/ 5	0-7/ 3
68	1213- 6956/ 7	116-329/12	90-100/ 5	1R - 1R / 1	1R -60S / 7	50MS-50MS/ 1	4-9/ 5	0-7/ 3
39	1651- 6882/ 6	116-316/12	90-100/ 5	40MS-40MS/ 1	1S -40MS/ 6	60MS-60MS/ 1	1-9/ 6	3-7/ 6
75	2054- 7237/ 7	117-325/11	90-100/ 5	1R - 1R / 1	1MR- 5MS/ 5	60MS-60MS/ 1	2-8/ 5	3-7/ 4
76	2494- 7596/ 7	118-332/11	90-100/ 5	45S -45S / 1	1R -60S / 4	10R -10R / 1	2-7/ 4	3-7/ 3
78	1407- 7821/ 8	116-332/11	90-100/ 5	1R - 1R / 1	00 - 1R / 4	50MS-50MS/ 1	2-8/ 5	0-3/ 3
81	1013- 7455/ 7	116-329/11	90-100/ 5	1MR- 1MR/ 1	00 -10MS/ 4	80S -80S / 1	3-7/ 5	1-7/ 4

TABLE 6. Entries Selected for Winter Hardiness Over All Locations Reporting

Minimum-Maximum/Number of Locations Reporting for the Following Traits:

Entry Number	Yield (Kg/Ha)	Days to Flower From Jan 1	Winter Hardiness (%)	Puccinia Striiformis	Puccinia Recondita	Puccinia Graminis	Septoria (0-9)	Mildew (0-9)
85	2574- 7344/ 8	115-320/11	90-100/ 5	40MS-40MS/ 1	00 -20MS/ 6	10R -10R / 1	1-9/ 5	1-5/ 4
86	1605- 6560/ 7	118-326/11	90-100/ 5	1MR- 1MR/ 1	10MS-60S / 5	10R -10R / 1	1-9/ 5	3-8/ 4
87	1175- 9198/ 6	116-325/11	90-100/ 5	1MR- 1MR/ 1	1MR-80S / 6	50MS-50MS/ 1	3-7/ 5	1-5/ 4
88	2280- 7030/ 7	115-320/11	90-100/ 5	1MR- 1MR/ 1	5MR-60S / 6	10R -10R / 1	1-9/ 5	0-1/ 2
89	1994- 7478/ 8	117-327/11	90-100/ 5	1MR- 1MR/ 1	00 - 1MR/ 4	60MS-60MS/ 1	2-8/ 5	0-3/ 4

TABLE 7. Entries Selected for their Response to *Puccinia Striiformis* (Stripe Rust) Over All Locations Reporting

Minimum-Maximum/Number of Locations Reporting for the Following Trait:										
Entry Number	Yield (Kg/Ha)	Days to Flower From Jan 1	Winter Hardiness (%)	Puccinia Striiformis	Puccinia Recondita	Puccinia Graminis	Septoria (0-9)	Mildew (0-9)		
1	715- 4559/ 8	115-323/12	90-100/ 5	10MS-10MS/ 1	40MS-80S / 7	10R -10R / 1	1-6/ 5	0-5/ 4		
2	460- 6031/ 8	119-329/12	20-100/ 5	00 - 00 / 1	5R -40S / 6	70S -70S / 1	0-7/ 5	0-5/ 5		
3	429- 4773/ 7	110-321/12	90-100/ 5	30MS-30MS/ 1	00 -80S / 6	80S -80S / 1	3-9/ 6	0-7/ 4		
4	1400- 5593/ 8	115-325/12	90-100/ 5	30MS-30MS/ 1	5R -80MS/ 7	50MS-50MS/ 1	1-8/ 6	3-8/ 6		
6	707- 5994/ 6	115-326/12	90-100/ 5	1R - 1R / 1	1R -30MS/ 7	50MS-50MS/ 1	0-8/ 6	1-7/ 5		
7	1380- 6438/ 7	116-328/12	90-100/ 5	1R - 1R / 1	1MR-30MS/ 5	40MR-40MR/ 1	0-5/ 5	3-5/ 5		
8	1030- 7992/ 8	118-328/12	90-100/ 5	1R - 1R / 1	1R -10MR/ 5	10R -10R / 1	1-4/ 5	0-5/ 5		
9	193- 5550/ 6	116-340/12	75-100/ 5	10MS-10MS/ 1	1S -30MS/ 6	70S -70S / 1	0-7/ 5	1-7/ 5		
10	1807- 7633/ 7	118-320/12	80-100/ 5	70S -70S / 1	1S -20MS/ 7	70S -70S / 1	0-6/ 5	1-5/ 6		
11	460- 6611/ 8	119-330/12	80-100/ 5	15S -15S / 1	5MR-60MS/ 7	50MS-50MS/ 1	0-9/ 6	1-7/ 6		
12	86- 7622/ 8	119-341/12	65-100/ 5	1MR- 1MR/ 1	00 -80MS/ 7	80S -80S / 1	0-9/ 5	0-7/ 6		
13	793- 6993/ 7	117-325/12	80-100/ 5	1MR- 1MR/ 1	1R -60S / 7	50MS-50MS/ 1	0-7/ 5	0-3/ 6		
14	533- 5661/ 7	119-324/12	90-100/ 5	1R - 1R / 1	1R -20MS/ 6	60MS-60MS/ 1	0-5/ 5	1-7/ 6		
15	333- 7437/ 8	117-327/12	85-100/ 5	1R - 1R / 1	1R -40S / 6	70S -70S / 1	1-7/ 5	0-3/ 6		
16	500- 6752/ 7	117-326/11	80-100/ 5	10MS-10MS/ 1	5MR-60S / 6	60MS-60MS/ 1	2-8/ 4	0-7/ 6		
17	160- 7215/ 7	117-325/12	80-100/ 5	1MR- 1MR/ 1	20R -99S / 7	60MS-60MS/ 1	1-8/ 5	0-7/ 6		
18	566- 6771/ 6	119-330/12	70-100/ 5	30S -30S / 1	20MS-99S / 7	60MS-60MS/ 1	3-8/ 5	0-7/ 6		
19	646- 6364/ 7	116-327/12	80-100/ 5	1R - 1R / 1	1R -60S / 7	60MS-60MS/ 1	0-9/ 6	0-7/ 5		
21	380- 5494/ 7	119-324/12	75-100/ 5	1R - 1R / 1	1R -20MS/ 6	60MS-60MS/ 1	0-8/ 5	0-7/ 5		
22	2641- 7381/ 6	117-318/12	95-100/ 5	10MS-10MS/ 1	40S -80S / 7	5R - 5R / 1	1-7/ 5	0-5/ 6		
23	1093- 7022/ 7	115-328/12	80-100/ 5	1R - 1R / 1	1R -60S / 7	70S -70S / 1	1-7/ 6	0-3/ 6		
24	1060- 5976/ 8	118-324/12	85-100/ 5	1MR- 1MR/ 1	5MR-60S / 7	50MS-50MS/ 1	0-7/ 6	0-7/ 6		
25	1511- 6197/ 8	115-318/12	90-100/ 5	5MS- 5MS/ 1	5MR-60S / 7	70S -70S / 1	0-9/ 6	1-9/ 6		
26	1760- 7525/ 7	119-324/12	90-100/ 5	1MR- 1MR/ 1	1MR-40S / 7	40MR-40MR/ 1	3-6/ 5	0-7/ 6		
27	346- 8339/ 7	123-323/12	90-100/ 5	1MR- 1MR/ 1	1R -80MS/ 7	80S -80S / 1	1-7/ 5	0-7/ 6		
28	2334- 6308/ 6	115-315/12	90-100/ 5	1R - 1R / 1	1MR-80S / 7	50MS-50MS/ 1	1-6/ 5	2-7/ 5		
29	473- 8006/ 6	116-324/12	70-100/ 5	1R - 1R / 1	1R -60S / 7	60MS-60MS/ 1	3-9/ 5	0-7/ 5		
30	827- 8214/ 6	119-324/12	80-100/ 5	1R - 1R / 1	1R -40S / 7	70S -70S / 1	3-7/ 5	0-7/ 5		
31	1407- 6001/ 7	117-325/12	90-100/ 5	1R - 1R / 1	1R -60S / 7	80S -80S / 1	2-9/ 6	1-7/ 6		
32	420- 7152/ 6	119-325/12	70-100/ 5	1MR- 1MR/ 1	20MS-85S / 7	80S -80S / 1	2-7/ 5	0-9/ 5		
33	673- 5420/ 7	119-325/12	85-100/ 5	1R - 1R / 1	1R -20S / 6	80S -80S / 1	1-9/ 6	0-9/ 5		
34	1213- 5309/ 7	119-325/12	80-100/ 5	1R - 1R / 1	1R -40S / 7	80S -80S / 1	0-9/ 6	1-7/ 4		
35	1125- 5686/ 8	116-324/12	85-100/ 5	1R - 1R / 1	1R -20S / 7	70S -70S / 1	0-9/ 6	1-9/ 4		
36	1440- 5883/ 7	116-324/12	80-100/ 5	1R - 1R / 1	00 -20S / 7	80S -80S / 1	0-9/ 6	1-7/ 5		
37	1875- 7589/ 8	116-325/12	90-100/ 5	1R - 1R / 1	1R -20S / 7	60MS-60MS/ 1	0-9/ 6	1-7/ 6		
38	1867- 7492/ 7	116-321/12	90-100/ 5	1R - 1R / 1	1R -10MS/ 6	70S -70S / 1	1-9/ 6	3-7/ 5		

TABLE 7. Entries Selected for their Response to *Puccinia Striiformis* (Stripe Rust) Over All Locations Reporting

Minimum-Maximum/Number of Locations Reporting for the Following Trait:

Entry Number	Yield (Kg/Ha)	Days to Flower From Jan 1	Winter Hardiness (%)	Puccinia Striiformis	Puccinia Recondita	Puccinia Graminis	Sectoria (0-9)	Mildew (0-9)
39	1651- 6882/ 6	116-316/12	90-100/ 5	40MS-40MS/ 1	1S -40MS/ 6	60MS-60MS/ 1	1-9/ 6	3-7/ 6
41	2107- 6143/ 7	117-326/12	90-100/ 5	1R - 1R / 1	1MR-40S / 7	10R -10R / 1	0-7/ 6	3-7/ 6
42	1287- 6771/ 7	115-326/12	90-100/ 5	1R - 1R / 1	1R -10MS/ 6	10R -10R / 1	0-8/ 6	0-3/ 6
43	1407- 5749/ 8	115-313/12	95-100/ 5	1R - 1R / 1	1R -20S / 4	60MS-60MS/ 1	0-8/ 6	1-5/ 6
44	1500- 6586/ 6	115-314/12	90-100/ 5	30S -30S / 1	1R -80S / 7	10R -10R / 1	1-9/ 6	2-7/ 6
45	253- 7659/ 6	121-330/12	80-100/ 5	20MS-20MS/ 1	1R -20MS/ 6	60MS-60MS/ 1	0-7/ 5	0-7/ 5
46	2674- 4948/ 6	115-313/12	90-100/ 5	1R - 1R / 1	1MR-40S / 5	50MS-50MS/ 1	0-9/ 6	1-7/ 5
47	727- 8602/ 6	119-330/12	80-100/ 5	1MR- 1MR/ 1	10R -85S / 7	80S -80S / 1	0-8/ 5	1-7/ 5
48	1720- 6574/ 6	112-309/12	80-100/ 5	30MS-30MS/ 1	10R -85S / 7	70S -70S / 1	0-9/ 6	1-7/ 4
49	893-10667/ 6	111-325/12	85-100/ 5	10MS-10MS/ 1	1R -80S / 6	70S -70S / 1	0-6/ 5	1-7/ 4
50	1480- 6171/ 6	119-326/12	85-100/ 5	1R - 1R / 1	1R -30MS/ 7	60MS-60MS/ 1	0-8/ 6	1-5/ 5
51	446- 6512/ 7	116-324/12	70-100/ 5	1R - 1R / 1	1MR-80S / 7	60MS-60MS/ 1	4-7/ 4	0-3/ 5
52	160- 7141/ 8	119-338/12	70-100/ 5	1R - 1R / 1	1R -40MS/ 7	90S -90S / 1	3-8/ 5	0-2/ 3
53	386- 6201/ 7	116-325/12	80-100/ 5	1R - 1R / 1	1R -30S / 6	80S -80S / 1	3-8/ 5	0-4/ 4
54	160- 7018/ 7	119-332/12	70-100/ 5	1MR- 1MR/ 1	1MR-40MS/ 7	90S -90S / 1	3-8/ 4	0-5/ 3
55	460- 7148/ 8	119-332/12	90-100/ 5	1MR- 1MR/ 1	1R -30MS/ 7	60MS-60MS/ 1	3-7/ 4	0-2/ 4
56	586- 6341/ 7	119-325/12	90-100/ 5	15S -15S / 1	1MS-90S / 7	90S -90S / 1	4-7/ 4	2-5/ 3
57	1140- 7126/ 7	119-324/12	90-100/ 5	1MR- 1MR/ 1	1MS-60S / 7	70S -70S / 1	3-7/ 5	0-4/ 5
58	1487- 5476/ 7	116-329/12	90-100/ 5	1MR- 1MR/ 1	1R -40S / 7	80S -80S / 1	3-8/ 5	0-3/ 5
59	3555- 6866/ 6	115-318/12	95-100/ 5	1MR- 1MR/ 1	5R -40S / 7	10R -10R / 1	1-9/ 5	1-7/ 5
61	1667- 5420/ 9	116-324/12	85-100/ 5	1R - 1R / 1	00 -30S / 6	70S -70S / 1	4-9/ 5	3-7/ 4
62	2654- 8406/ 8	119-325/12	90-100/ 5	1R - 1R / 1	1R -30MS/ 6	60MS-60MS/ 1	4-5/ 4	1-5/ 4
63	240- 7307/ 7	119-338/12	90-100/ 5	1R - 1R / 1	1R -10MS/ 6	80S -80S / 1	3-8/ 5	0-7/ 4
64	2347- 6053/ 6	116-317/12	85-100/ 5	30MS-30MS/ 1	5R -80S / 7	80S -80S / 1	3-9/ 5	3-9/ 4
65	1934- 5810/ 8	119-324/12	85-100/ 5	45S -45S / 1	5MR-50S / 5	70S -70S / 1	3-8/ 5	1-7/ 5
66	2757- 5921/ 7	117-318/12	90-100/ 5	40S -40S / 1	00 -30S / 5	50MS-50MS/ 1	3-9/ 5	3-7/ 4
67	980- 5550/ 6	115-319/12	90-100/ 5	1R - 1R / 1	1R -20S / 6	80S -80S / 1	4-9/ 5	0-7/ 3
68	1213- 6956/ 7	116-329/12	90-100/ 5	1R - 1R / 1	1R -60S / 7	50MS-50MS/ 1	4-9/ 5	0-7/ 3
69	625- 7670/ 5	119-334/12	75-100/ 5	1R - 1R / 1	1R -60S / 7	70S -70S / 1	3-9/ 5	0-7/ 5
70	340- 7170/ 7	121-328/12	70-100/ 5	1R - 1R / 1	10MS-70S / 7	80S -80S / 1	4-8/ 4	0-7/ 3
71	312- 6142/ 7	119-326/12	65-100/ 5	40S -40S / 1	1R -40MS/ 6	80S -80S / 1	4-9/ 5	0-7/ 5
72	450- 6097/ 6	118-326/12	70-100/ 5	30MS-30MS/ 1	5S -60S / 6	80S -80S / 1	3-8/ 4	0-7/ 4
73	560- 5683/ 7	117-329/12	75-100/ 5	20MS-20MS/ 1	1S -30MS/ 6	80S -80S / 1	4-9/ 5	0-3/ 4
74	1600- 7492/ 6	117-329/12	95-100/ 5	40S -40S / 1	1MR-60S / 7	40MR-40MR/ 1	2-6/ 5	0-7/ 5
75	2054- 7237/ 7	117-325/11	90-100/ 5	1R - 1R / 1	1MR- 5MS/ 5	60MS-60MS/ 1	2-8/ 5	3-7/ 4
76	2494- 7596/ 7	118-332/11	90-100/ 5	45S -45S / 1	1R -60S / 4	10R -10R / 1	-2-7/ 4	3-7/ 3

TABLE 7. Entries Selected for their Response to *Puccinia Striiformis* (Stripe Rust) Over All Locations Reporting

Minimum-Maximum/Number of Locations Reporting for the Following Trait:									
Entry Number	Yield (Kg/Ha)	Days to Flower From Jan 1	Winter Hardiness (%)	<i>Puccinia Striiformis</i>	<i>Puccinia Recondita</i>	<i>Puccinia Graminis</i>	<i>Sclerotinia</i> (0-9)	Mildew (0-9)	
77	437- 6874/ 7	115-331/11	50-100/ 5	40S -40S / 1	10MS-20S / 5	80S -80S / 1	3-9/ 5	3-7/ 4	
78	1407- 7821/ 8	116-332/11	90-100/ 5	1R - 1R / 1	00 - 1R / 4	50MS-50MS/ 1	2-8/ 5	0-3/ 3	
79	320- 7784/ 8	119-336/11	80-100/ 5	1R - 1R / 1	1R -10MS/ 5	80S -80S / 1	3-9/ 5	3-9/ 4	
81	1013- 7455/ 7	116-329/11	90-100/ 5	1MR- 1MR/ 1	00 -10MS/ 4	80S -80S / 1	3-7/ 5	1-7/ 4	
82	1874- 7622/ 8	116-331/11	90-100/ 5	15MS-15MS/ 1	00 -30MS/ 5	80S -80S / 1	4-8/ 5	0-3/ 4	
83	1204- 7703/ 6	119-331/11	85-100/ 5	1R - 1R / 1	1R -60MS/ 5	70S -70S / 1	5-9/ 5	4-9/ 3	
84	887- 7400/ 7	117-331/11	90-100/ 5	1MS- 1MS/ 1	00 -30MS/ 5	80S -80S / 1	3-6/ 5	0-7/ 4	
85	2574- 7344/ 8	115-320/11	90-100/ 5	40MS-40MS/ 1	00 -20MS/ 6	10R -10R / 1	1-9/ 5	1-5/ 4	
86	1605- 6560/ 7	118-326/11	90-100/ 5	1MR- 1MR/ 1	10MS-60S / 5	10R -10R / 1	1-9/ 5	3-8/ 4	
87	1175- 9198/ 6	116-325/11	90-100/ 5	1MR- 1MR/ 1	1MR-80S / 6	50MS-50MS/ 1	3-7/ 5	1-5/ 4	
88	2280- 7030/ 7	115-320/11	90-100/ 5	1MR- 1MR/ 1	5MR-60S / 6	10R -10R / 1	1-9/ 5	0-1/ 2	
89	1994- 7478/ 8	117-327/11	90-100/ 5	1MR- 1MR/ 1	00 - 1MR/ 4	60MS-60MS/ 1	2-8/ 5	0-3/ 4	
90	1767- 7141/ 6	115-313/11	80-100/ 5	1R - 1R / 1	1R -60S / 6	40MR-40MR/ 1	4-7/ 5	2-5/ 3	

TABLE 8. Entries Selected for their Response to *Puccinia Recondita* (Leaf Rust) Over All Locations Reporting

Minimum-Maximum/Number of Locations Reporting for the Following Trait:										
Entry Number	Yield (Kg/Ha)	Days to Flower From Jan 1	Winter Hardiness (%)	Puccinia Striiformis	Puccinia Recondita	Puccinia Graminis	Septoria (0-9)	Mildew (0-9)		
78	1407- 7821/ 8	116-332/11	90-100/ 5	1R - 1R / 1	00 - 1R / 4	50MS-50MS/ 1	2-8/ 5	0-3/ 3		
89	1994- 7478/ 8	117-327/11	90-100/ 5	1MR- 1MR/ 1	00 - 1MR/ 4	60MS-60MS/ 1	2-8/ 5	0-3/ 4		
82	1874- 7622/ 8	116-331/11	90-100/ 5	15MS-15MS/ 1	00 -30MS/ 5	80S -80S / 1	4-8/ 5	0-3/ 4		
81	1013- 7455/ 7	116-329/11	90-100/ 5	1MR- 1MR/ 1	00 -10MS/ 4	80S -80S / 1	3-7/ 5	1-7/ 4		
53	386- 6201/ 7	116-325/12	80-100/ 5	1R - 1R / 1	1R -30S / 6	80S -80S / 1	3-8/ 5	0-4/ 4		
79	320- 7784/ 8	119-336/11	80-100/ 5	1R - 1R / 1	1R -10MS/ 5	80S -80S / 1	3-9/ 5	3-9/ 4		
14	533- 5661/ 7	119-324/12	90-100/ 5	1R - 1R / 1	1R -20MS/ 6	60MS-60MS/ 1	0-5/ 5	1-7/ 6		
36	1440- 5883/ 7	116-324/12	80-100/ 5	1R - 1R / 1	00 -20S / 7	80S -80S / 1	0-9/ 6	1-7/ 5		
38	1867- 7492/ 7	116-321/12	90-100/ 5	1R - 1R / 1	1R -10MS/ 6	70S -70S / 1	1-9/ 6	3-7/ 5		
10	1807- 7633/ 7	118-320/12	80-100/ 5	70S -70S / 1	1S -20MS/ 7	70S -70S / 1	0-6/ 5	3-7/ 5		
62	2654- 8406/ 8	119-325/12	90-100/ 5	1R - 1R / 1	1R -30MS/ 6	60MS-60MS/ 1	4-5/ 4	1-5/ 4		
55	460- 7148/ 8	119-332/12	90-100/ 5	1MR- 1MR/ 1	1R -30MS/ 7	60MS-60MS/ 1	3-7/ 4	0-2/ 4		
75	2054- 7237/ 7	117-325/11	90-100/ 5	1R - 1R / 1	1MR- 5MS/ 5	60MS-60MS/ 1	2-8/ 5	3-7/ 4		
85	2574- 7344/ 8	115-320/11	90-100/ 5	40MS-40MS/ 1	00 -20MS/ 6	10R -10R / 1	1-9/ 5	1-5/ 4		
63	240- 7307/ 7	119-338/12	90-100/ 5	1R - 1R / 1	1R -10MS/ 6	80S -80S / 1	3-8/ 5	0-7/ 4		
84	887- 7400/ 7	117-331/11	90-100/ 5	1MS- 1MS/ 1	00 -30MS/ 5	80S -80S / 1	3-6/ 5	0-7/ 4		
67	980- 5550/ 6	115-319/12	90-100/ 5	1R - 1R / 1	1R -20S / 6	80S -80S / 1	4-9/ 5	0-7/ 3		
42	1287- 6771/ 7	115-326/12	90-100/ 5	1R - 1R / 1	1R -10MS/ 6	10R -10R / 1	0-8/ 6	0-3/ 6		
35	1125- 5686/ 8	116-324/12	85-100/ 5	1R - 1R / 1	1R -20S / 7	70S -70S / 1	0-9/ 6	1-9/ 4		
21	380- 5494/ 7	119-324/12	75-100/ 5	1R - 1R / 1	1R -20MS/ 6	60MS-60MS/ 1	0-8/ 5	0-7/ 5		
33	673- 5420/ 7	119-325/12	85-100/ 5	1R - 1R / 1	1R -20S / 6	80S -80S / 1	1-9/ 6	0-9/ 5		
39	1651- 6882/ 6	116-316/12	90-100/ 5	40MS-40MS/ 1	1S -40MS/ 6	60MS-60MS/ 1	1-9/ 6	3-7/ 6		
45	253- 7659/ 6	121-330/12	80-100/ 5	20MS-20MS/ 1	1R -20MS/ 6	60MS-60MS/ 1	0-7/ 5	0-7/ 5		
41	2107- 6143/ 7	117-326/12	90-100/ 5	1R - 1R / 1	1MR-40S / 7	10R -10R / 1	0-7/ 6	3-7/ 6		
8	1030- 7992/ 8	118-328/12	90-100/ 5	1R - 1R / 1	1R -10MR/ 5	10R -10R / 1	1-4/ 5	0-5/ 5		
37	1875- 7589/ 8	116-325/12	90-100/ 5	1R - 1R / 1	1R -20S / 7	60MS-60MS/ 1	0-9/ 6	1-7/ 6		

TABLE 9. Entries Selected for their Response to *Puccinia Graminis* Tritici (Stem Rust) Over All Locations Reporting

Minimum-Maximum/Number of Locations Reporting for the Following Traits:									
Entry Number	Yield (Kg/Ha)	Days to Flower From Jan 1	Winter Hardiness (%)	Puccinia Striiformis	Puccinia Recondita	Puccinia Graminis	Septoria (0-9)	Mildew (0-9)	
22	2641- 7381/ 6	117-318/12	95-100/ 5	10MS-10MS/ 1	40S -80S / 7	5R - 5R / 1	1-7/ 5	0-5/ 6	
1	715- 4559/ 8	115-323/12	90-100/ 5	10MS-10MS/ 1	40MS-80S / 7	10R -10R / 1	1-6/ 5	0-5/ 4	
88	2280- 7030/ 7	115-320/11	90-100/ 5	1MR- 1MR/ 1	5MR-60S / 6	10R -10R / 1	1-9/ 5	0-1/ 2	
41	2107- 6143/ 7	117-326/12	90-100/ 5	1R - 1R / 1	1MR-40S / 7	10R -10R / 1	0-7/ 6	3-7/ 6	
44	1500- 6586/ 6	115-314/12	90-100/ 5	30S -30S / 1	1R -80S / 7	10R -10R / 1	1-9/ 6	2-7/ 6	
76	2494- 7596/ 7	118-332/11	90-100/ 5	45S -45S / 1	1R -60S / 4	10R -10R / 1	2-7/ 4	3-7/ 3	
8	1030- 7992/ 8	118-328/12	90-100/ 5	1R - 1R / 1	1R -10MR/ 5	10R -10R / 1	1-4/ 5	0-5/ 5	
85	2574- 7344/ 8	115-320/11	90-100/ 5	40MS-40MS/ 1	00 -20MS/ 6	10R -10R / 1	1-9/ 5	1-5/ 4	
86	1605- 6560/ 7	118-326/11	90-100/ 5	1MR- 1MR/ 1	10MS-60S / 5	10R -10R / 1	1-9/ 5	3-8/ 4	
59	3555- 6866/ 6	115-318/12	95-100/ 5	1MR- 1MR/ 1	5R -40S / 7	10R -10R / 1	1-9/ 5	1-7/ 5	
42	1287- 6771/ 7	115-326/12	90-100/ 5	1R - 1R / 1	1R -10MS/ 6	10R -10R / 1	0-8/ 6	0-3/ 6	
7	1380- 6438/ 7	116-328/12	90-100/ 5	1R - 1R / 1	1MR-30MS/ 5	40MR-40MR/ 1	0-5/ 5	3-5/ 5	
90	1767- 7141/ 6	115-313/11	80-100/ 5	1R - 1R / 1	1R -60S / 6	40MR-40MR/ 1	4-7/ 5	2-5/ 3	
74	1600- 7492/ 6	117-329/12	95-100/ 5	40S -40S / 1	1MR-60S / 7	40MR-40MR/ 1	2-6/ 5	0-7/ 5	
26	1760- 7525/ 7	119-324/12	90-100/ 5	1MR- 1MR/ 1	1MR-40S / 7	40MR-40MR/ 1	3-6/ 5	0-7/ 6	
28	2334- 6308/ 6	115-315/12	90-100/ 5	1R - 1R / 1	1MR-80S / 7	50MS-50MS/ 1	1-6/ 5	2-7/ 5	
46	2674- 4948/ 6	115-313/12	90-100/ 5	1R - 1R / 1	1MR-40S / 5	50MS-50MS/ 1	0-9/ 6	1-7/ 5	
66	2757- 5921/ 7	117-318/12	90-100/ 5	40S -40S / 1	00 -30S / 5	50MS-50MS/ 1	3-9/ 5	3-7/ 4	
6	707- 5994/ 6	115-326/12	90-100/ 5	1R - 1R / 1	1R -30MS/ 7	50MS-50MS/ 1	0-8/ 6	1-7/ 5	
4	1400- 5593/ 8	115-325/12	90-100/ 5	30MS-30MS/ 1	5R -80MS/ 7	50MS-50MS/ 1	1-8/ 6	3-8/ 6	
78	1407- 7821/ 8	116-332/11	90-100/ 5	1R - 1R / 1	00 - 1R / 4	50MS-50MS/ 1	2-8/ 5	0-3/ 3	
11	460- 6611/ 8	119-330/12	80-100/ 5	15S -15S / 1	5MR-60MS/ 7	50MS-50MS/ 1	0-9/ 6	1-7/ 6	
13	793- 6993/ 7	117-325/12	80-100/ 5	1MR- 1MR/ 1	1R -60S / 7	50MS-50MS/ 1	0-7/ 5	0-3/ 6	
87	1175- 9198/ 6	116-325/11	90-100/ 5	1MR- 1MR/ 1	1MR-80S / 6	50MS-50MS/ 1	3-7/ 5	1-5/ 4	
24	1060- 5976/ 8	118-324/12	85-100/ 5	1MR- 1MR/ 1	5MR-60S / 7	50MS-50MS/ 1	0-7/ 6	0-7/ 6	
68	1213- 6956/ 7	116-329/12	90-100/ 5	1R - 1R / 1	1R -60S / 7	50MS-50MS/ 1	4-9/ 5	0-7/ 3	

TABLE 10. Entries Selected for their Response to Septoria Tritici Over All Locations Reporting

Minimum-Maximum/Number of Locations Reporting for the Following Traits

Entry Number	Yield (Kg/Ha)	Days to Flower From Jan 1	Winter Hardiness (%)	Puccinia Striiformis	Puccinia Recondita	Puccinia Graminis	Septoria (0-9)	Mildew (0-9)
75	2054- 7237/ 7	117-325/11	90-100/ 5	1R - 1R / 1	1MR- 5MS/ 5	60MS-60MS/ 1	2-8/ 5	3-7/ 4
7	1380- 6438/ 7	116-328/12	90-100/ 5	1R - 1R / 1	1MR-30MS/ 5	40MR-40MR/ 1	0-5/ 5	3-5/ 5
74	1600- 7492/ 6	117-329/12	95-100/ 5	40S -40S / 1	1MR-60S / 7	40MR-40MR/ 1	2-6/ 5	0-7/ 5
10	1807- 7633/ 7	118-320/12	80-100/ 5	70S -70S / 1	1S -20MS/ 7	70S -70S / 1	0-6/ 5	1-5/ 6
8	1030- 7992/ 8	118-328/12	90-100/ 5	1R - 1R / 1	1R -10MR/ 5	10R -10R / 1	1-4/ 5	0-5/ 5
89	1994- 7478/ 8	117-327/11	90-100/ 5	1MR- 1MR/ 1	00 - 1MR/ 4	60MS-60MS/ 1	2-8/ 5	0-3/ 4
57	1140- 7126/ 7	119-324/12	90-100/ 5	1MR- 1MR/ 1	1MS-60S / 7	70S -70S / 1	3-7/ 5	0-4/ 5
58	1487- 5476/ 7	116-329/12	90-100/ 5	1MR- 1MR/ 1	1R -40S / 7	80S -80S / 1	3-8/ 5	0-3/ 5
59	3555- 6866/ 6	115-318/12	95-100/ 5	1MR- 1MR/ 1	5R -40S / 7	10R -10R / 1	1-9/ 5	1-7/ 5
28	2334- 6308/ 6	115-315/12	90-100/ 5	1R - 1R / 1	1MR-80S / 7	50MS-50MS/ 1	1-6/ 5	2-7/ 5
37	1875- 7589/ 8	116-325/12	90-100/ 5	1R - 1R / 1	1R -20S / 7	60MS-60MS/ 1	0-9/ 6	1-7/ 6
84	887- 7400/ 7	117-331/11	90-100/ 5	1MS- 1MS/ 1	00 -30MS/ 5	80S -80S / 1	3-6/ 5	0-7/ 4
14	533- 5661/ 7	119-324/12	90-100/ 5	1R - 1R / 1	1R -20MS/ 6	60MS-60MS/ 1	0-5/ 5	1-7/ 6
78	1407- 7821/ 8	116-332/11	90-100/ 5	1R - 1R / 1	00 - 1R / 4	50MS-50MS/ 1	2-8/ 5	0-3/ 3
62	2654- 8406/ 8	119-325/12	90-100/ 5	1R - 1R / 1	1R -30MS/ 6	60MS-60MS/ 1	4-5/ 4	1-5/ 4
42	1287- 6771/ 7	115-326/12	90-100/ 5	1R - 1R / 1	1R -10MS/ 6	10R -10R / 1	0-8/ 6	0-3/ 6
76	2494- 7596/ 7	118-332/11	90-100/ 5	45S -45S / 1	1R -60S / 4	10R -10R / 1	2-7/ 4	3-7/ 3
2	460- 6031/ 8	119-329/12	20-100/ 5	00 - 00 / 1	5R -40S / 6	70S -70S / 1	0-7/ 5	0-5/ 5
49	893-10667/ 6	111-325/12	85-100/ 5	10MS-10MS/ 1	1R -80S / 6	70S -70S / 1	0-6/ 5	1-7/ 4
6	707- 5994/ 6	115-326/12	90-100/ 5	1R - 1R / 1	1R -30MS/ 7	50MS-50MS/ 1	0-8/ 6	1-7/ 5
79	320- 7784/ 8	119-336/11	80-100/ 5	1R - 1R / 1	1R -10MS/ 5	80S -80S / 1	3-9/ 5	3-9/ 4
88	2280- 7030/ 7	115-320/11	90-100/ 5	1MR- 1MR/ 1	5MR-60S / 6	10R -10R / 1	1-9/ 5	0-1/ 2
63	240- 7307/ 7	119-338/12	90-100/ 5	1R - 1R / 1	1R -10MS/ 6	80S -80S / 1	3-8/ 5	0-7/ 4
41	2107- 6143/ 7	117-326/12	90-100/ 5	1R - 1R / 1	1MR-40S / 7	10R -10R / 1	0-7/ 6	3-7/ 6
22	2641- 7381/ 6	117-318/12	95-100/ 5	10MS-10MS/ 1	40S -80S / 7	5R - 5R / 1	1-7/ 5	0-5/ 6
13	793- 6993/ 7	117-325/12	80-100/ 5	1MR- 1MR/ 1	1R -60S / 7	50MS-50MS/ 1	0-7/ 5	0-3/ 6
23	1093- 7022/ 7	115-328/12	80-100/ 5	1R - 1R / 1	1R -60S / 7	70S -70S / 1	1-7/ 6	0-3/ 6

TABLE 11. Entries Selected for their Response to Erysiphe Graminis Tritici (Powdery Mildew) Over All Locations Reporting

Minimum-Maximum/Number of Locations Reporting for the Following Traits:

Entry Number	Yield (Kg/Ha)	Days to Flower From Jan 1	Winter Hardiness (%)	Puccinia Striiformis	Puccinia Recondita	Puccinia Graminis	Septoria (0-9)	Mildew (0-9)
73	560- 5683/ 7	117-329/12	75-100/ 5	20MS-20MS/ 1	1S -30MS/ 6	80S -80S / 1	4-9/ 5	0-3/ 4
78	1407- 7821/ 8	116-332/11	90-100/ 5	1R - 1R / 1	00 - 1R / 4	50MS-50MS/ 1	2-8/ 5	0-3/ 3
89	1994- 7478/ 8	117-327/11	90-100/ 5	1MR- 1MR/ 1	00 - 1MR/ 4	60MS-60MS/ 1	2-8/ 5	0-3/ 4
58	1487- 5476/ 7	116-329/12	90-100/ 5	1MR- 1MR/ 1	1R -40S / 7	80S -80S / 1	3-8/ 5	0-3/ 5
52	160- 7141/ 8	119-338/12	70-100/ 5	1R - 1R / 1	1R -40MS/ 7	90S -90S / 1	3-8/ 5	0-2/ 3
55	460- 7148/ 8	119-332/12	90-100/ 5	1MR- 1MR/ 1	1R -30MS/ 7	60MS-60MS/ 1	3-7/ 4	0-2/ 4
2	460- 6031/ 8	119-329/12	20-100/ 5	00 - 00 / 1	5R -40S / 6	70S -70S / 1	0-7/ 5	0-5/ 5
23	1093- 7022/ 7	115-328/12	80-100/ 5	1R - 1R / 1	1R -60S / 7	70S -70S / 1	1-7/ 6	0-3/ 6
1	715- 4559/ 8	115-323/12	90-100/ 5	10MS-10MS/ 1	40MS-80S / 7	10R -10R / 1	1-6/ 5	0-5/ 4
24	1060- 5976/ 8	118-324/12	85-100/ 5	1MR- 1MR/ 1	5MR-60S / 7	50MS-50MS/ 1	0-7/ 6	0-7/ 6
54	160- 7018/ 7	119-332/12	70-100/ 5	1MR- 1MR/ 1	1MR-40MS/ 7	90S -90S / 1	3-8/ 4	0-5/ 3
22	2641- 7381/ 6	117-318/12	95-100/ 5	10MS-10MS/ 1	40S -80S / 7	5R - 5R / 1	1-7/ 5	0-5/ 6
82	1874- 7622/ 8	116-331/11	90-100/ 5	15MS-15MS/ 1	00 -30MS/ 5	80S -80S / 1	4-8/ 5	0-3/ 4
15	333- 7437/ 8	117-327/12	85-100/ 5	1R - 1R / 1	1R -40S / 6	70S -70S / 1	1-7/ 5	0-3/ 6
53	386- 6201/ 7	116-325/12	80-100/ 5	1R - 1R / 1	1R -30S / 6	80S -80S / 1	3-8/ 5	0-4/ 4
57	1140- 7126/ 7	119-324/12	90-100/ 5	1MR- 1MR/ 1	1MS-60S / 7	70S -70S / 1	3-7/ 5	0-4/ 5
72	450- 6097/ 6	118-326/12	70-100/ 5	30MS-30MS/ 1	5S -60S / 6	80S -80S / 1	3-8/ 4	0-7/ 4
70	340- 7170/ 7	121-328/12	70-100/ 5	1R - 1R / 1	10MS-70S / 7	80S -80S / 1	4-8/ 4	0-7/ 3
67	980- 5550/ 6	115-319/12	90-100/ 5	1R - 1R / 1	1R -20S / 6	80S -80S / 1	4-9/ 5	0-7/ 3
51	446- 6512/ 7	116-324/12	70-100/ 5	1R - 1R / 1	1MR-80S / 7	60MS-60MS/ 1	4-7/ 4	0-3/ 5
17	160- 7215/ 7	117-325/12	80-100/ 5	1MR- 1MR/ 1	20R -99S / 7	60MS-60MS/ 1	1-8/ 5	0-7/ 6
43	1407- 5749/ 8	115-313/12	95-100/ 5	1R - 1R / 1	1R -20S / 4	60MS-60MS/ 1	0-8/ 6	1-5/ 6
19	646- 6364/ 7	116-327/12	80-100/ 5	1R - 1R / 1	1R -60S / 7	60MS-60MS/ 1	0-9/ 6	0-7/ 5
36	1440- 5883/ 7	116-324/12	80-100/ 5	1R - 1R / 1	00 -20S / 7	80S -80S / 1	0-9/ 6	1-7/ 5
16	500- 6752/ 7	117-326/11	80-100/ 5	10MS-10MS/ 1	5MR-60S / 6	60MS-60MS/ 1	2-8/ 4	0-7/ 6
42	1287- 6771/ 7	115-326/12	90-100/ 5	1R - 1R / 1	1R -10MS/ 6	10R -10R / 1	0-8/ 6	0-3/ 6
12	86- 7622/ 8	119-341/12	65-100/ 5	1MR- 1MR/ 1	00 -80MS/ 7	80S -80S / 1	0-9/ 5	0-7/ 6

TABLE 12. Entries Selected for their Relative Superior Agronomic Performance Over All Locations Reporting in the Low Rainfall Zone

Minimum-Maximum/Number of Locations Reporting for the Following Traits:

Entry Number	Yield (Kg/Ha)	Days to Flower From Jan 1	Winter Hardiness (%)	Puccinia Striiformis	Puccinia Recondita	Puccinia Graminis	Septoria (0-9)	Mildew (0-9)
42	1530- 6771/ 3	115-326/ 6	100-100/ 3	- / 0	5MR-10MS/ 2	- / 0	8-8/ 1	0-1/ 2
78	1696- 7821/ 4	116-329/ 6	100-100/ 3	- / 0	00 - 00 / 2	- / 0	8-8/ 1	0-0/ 1
82	2911- 7622/ 4	116-330/ 6	100-100/ 3	- / 0	00 - 00 / 2	- / 0	6-6/ 1	0-3/ 2
43	1528- 5749/ 4	115-313/ 6	100-100/ 3	- / 0	5MR-10MR/ 2	- / 0	8-8/ 1	1-5/ 2
58	1972- 5461/ 3	116-329/ 6	100-100/ 3	- / 0	1R -10MS/ 2	- / 0	8-8/ 1	0-2/ 2
85	2574- 7344/ 4	115-319/ 6	100-100/ 3	- / 0	00 - 5MS/ 2	- / 0	9-9/ 1	3-5/ 2
67	2196- 5550/ 2	115-312/ 6	100-100/ 3	- / 0	5MS-20S / 2	- / 0	9-9/ 1	2-7/ 2
53	2499- 6201/ 3	116-325/ 6	100-100/ 3	- / 0	5MR- 5MS/ 2	- / 0	8-8/ 1	0-4/ 2
48	3711- 6574/ 2	112-308/ 6	100-100/ 3	- / 0	10MS-20MS/ 2	- / 0	9-9/ 1	7-7/ 1
7	3575- 6438/ 3	116-328/ 6	100-100/ 3	- / 0	5MR-10S / 2	- / 0	- / 0	3-5/ 2
89	3242- 7203/ 4	117-327/ 6	100-100/ 3	- / 0	00 - 00 / 2	- / 0	8-8/ 1	0-1/ 2
59	4060- 6053/ 2	115-316/ 6	100-100/ 3	- / 0	5MS-20S / 2	- / 0	9-9/ 1	4-7/ 2
90	3425- 7141/ 2	115-313/ 6	100-100/ 3	- / 0	15S -20MS/ 2	- / 0	7-7/ 1	2-5/ 2
46	2704- 4354/ 2	115-313/ 6	100-100/ 3	- / 0	5MS-40S / 2	- / 0	9-9/ 1	7-7/ 1
28	3696- 6308/ 2	115-312/ 6	100-100/ 3	- / 0	10MS-40S / 2	- / 0	- / 0	2-7/ 2
13	2234- 6993/ 3	117-325/ 6	100-100/ 3	- / 0	5MR-10MS/ 2	- / 0	- / 0	0-3/ 2
81	1859- 7455/ 3	116-329/ 6	100-100/ 3	- / 0	00 -10MS/ 2	- / 0	7-7/ 1	2-7/ 2
44	2105- 6586/ 2	115-314/ 6	100-100/ 3	- / 0	5MR-10MS/ 2	- / 0	9-9/ 1	2-7/ 2
8	1030- 7992/ 4	118-328/ 6	100-100/ 3	- / 0	1R -10MR/ 2	- / 0	- / 0	0-0/ 1
36	3332- 5883/ 3	116-324/ 6	100-100/ 3	- / 0	00 - 5MR/ 2	- / 0	9-9/ 1	1-7/ 2
75	2764- 7237/ 3	117-306/ 5	100-100/ 3	- / 0	5MR- 5MS/ 2	- / 0	8-8/ 1	4-7/ 2
4	2288- 4440/ 4	115-325/ 6	100-100/ 3	- / 0	40S -40S / 2	- / 0	7-7/ 1	5-5/ 2
10	3146- 7633/ 3	118-318/ 6	100-100/ 3	- / 0	5MR- 5MS/ 2	- / 0	- / 0	3-5/ 2
15	1507- 7437/ 4	117-327/ 6	100-100/ 3	- / 0	5MS-20MS/ 2	- / 0	- / 0	0-3/ 2
1	715- 4551/ 4	115-323/ 6	100-100/ 3	- / 0	40S -60S / 2	- / 0	- / 0	2-5/ 2
37	2145- 7252/ 4	116-325/ 6	100-100/ 3	- / 0	5MR-10S / 2	- / 0	9-9/ 1	2-7/ 2
39	1651- 6882/ 2	116-316/ 6	100-100/ 3	- / 0	5MS-20MS/ 2	- / 0	9-9/ 1	4-7/ 2

TABLE 13. Entries Selected for their Relative Superior Agronomic Performance Over All Locations Reporting in the Intermediate Rainfall Zone

Minimum-Maximum/Number of Locations Reporting for the Following Traits:

Entry Number	Yield (Kg/Ha)	Days to Flower From Jan 1	Winter Hardiness (%)	Puccinia Striiformis	Puccinia Recondita	Puccinia Graminis	Septoria (0-9)	Mildew (0-9)
10	3000- 5448/ 2	147-320/ 3	80-100/ 2	- / 0	1S -20MS/ 3	70S -70S / 1	0-6/ 4	1-3/ 2
66	3500- 5921/ 2	146-318/ 3	90-100/ 2	- / 0	5S -20MS/ 2	50MS-50MS/ 1	5-7/ 3	- / 0
59	5812- 6866/ 2	152-318/ 3	95-100/ 2	- / 0	5R -40S / 3	10R -10R / 1	3-6/ 3	3-3/ 1
37	1875- 7589/ 2	148-320/ 3	90-100/ 2	- / 0	5R -10S / 3	60MS-60MS/ 1	0-6/ 4	2-3/ 2
39	3500- 6032/ 2	147-313/ 3	90-100/ 2	- / 0	1S -20MS/ 2	60MS-60MS/ 1	1-7/ 4	3-6/ 2
62	4750- 5615/ 2	148-318/ 3	90-100/ 2	- / 0	1R -30MS/ 3	60MS-60MS/ 1	4-5/ 3	- / 0
14	1500- 5615/ 2	148-320/ 3	90-100/ 2	- / 0	1R -10R / 2	60MS-60MS/ 1	0-5/ 4	1-3/ 2
25	3875- 5726/ 2	147-318/ 3	90-100/ 2	- / 0	40MS-70MS/ 3	70S -70S / 1	0-8/ 4	1-3/ 2
38	2625- 6449/ 2	147-321/ 3	90-100/ 2	- / 0	1R - 5MS/ 3	70S -70S / 1	1-7/ 4	3-3/ 2
22	4225- 4500/ 2	146-318/ 3	95-100/ 2	- / 0	40S -60MS/ 3	5R - 5R / 1	4-7/ 4	2-3/ 2
46	4250- 4948/ 2	145-313/ 3	90-100/ 2	- / 0	10MS-10MS/ 1	50MS-50MS/ 1	0-7/ 4	3-3/ 2
78	3375- 5921/ 2	289-332/ 2	90-100/ 2	- / 0	1R - 1R / 1	50MS-50MS/ 1	2-3/ 3	3-3/ 1
61	3500- 5420/ 2	147-322/ 3	85-100/ 2	- / 0	20S -30MS/ 2	70S -70S / 1	5-6/ 3	3-3/ 1
65	2687- 5810/ 2	147-322/ 3	85-100/ 2	- / 0	10MS-10S / 2	70S -70S / 1	5-8/ 3	3-3/ 1
36	3000- 4392/ 2	148-320/ 3	80-100/ 2	- / 0	5R - 5S / 3	80S -80S / 1	0-7/ 4	1-3/ 2
64	3250- 4364/ 2	147-317/ 3	85-100/ 2	- / 0	5R -80S / 3	80S -80S / 1	5-7/ 3	3-3/ 1
8	2750- 5003/ 2	148-324/ 3	90-100/ 2	- / 0	1MS-10R / 2	10R -10R / 1	1-4/ 4	2-3/ 2
44	2625- 4392/ 2	146-312/ 3	90-100/ 2	- / 0	1R -80S / 3	10R -10R / 1	1-7/ 4	3-3/ 2
7	2125- 4614/ 2	148-324/ 3	90-100/ 2	- / 0	5R -30MS/ 2	40MR-40MR/ 1	0-5/ 4	3-3/ 2
43	2375- 3169/ 2	147-311/ 3	95-100/ 2	- / 0	20S -20S / 1	60MS-60MS/ 1	0-8/ 4	1-3/ 2
74	3250- 5420/ 2	147-325/ 3	95-100/ 2	- / 0	5MS-60S / 3	40MR-40MR/ 1	2-3/ 3	3-3/ 1
75	2125- 4781/ 2	149-325/ 3	90-100/ 2	- / 0	5R - 5MS/ 2	60MS-60MS/ 1	2-5/ 3	3-3/ 1
26	2575- 4586/ 2	147-319/ 3	90-100/ 2	- / 0	10R -30MS/ 3	40MR-40MR/ 1	3-6/ 4	3-5/ 2
85	4375- 5337/ 2	272-320/ 2	90-100/ 2	- / 0	10MS-20MS/ 2	10R -10R / 1	4-7/ 3	- / 0
89	3312- 7478/ 2	298-324/ 2	90-100/ 2	- / 0	00 - 00 / 1	60MS-60MS/ 1	3-7/ 3	- / 0
90	1812- 5949/ 2	267-313/ 2	80-100/ 2	- / 0	15MS-40MS/ 2	40MR-40MR/ 1	5-7/ 3	- / 0

TABLE 14. Entries Selected for their Relative Superior Agronomic Performance Over All Locations Reporting in the High Rainfall Zone

Minimum-Maximum/Number of Locations Reporting for the Following Trait:

Entry Number	Yield (Kg/Ha)	Days to Flower From Jan 1	Winter Hardiness (%)	Puccinia Striiformis	Puccinia Recondita	Puccinia Graminis	Septoria (0-9)	Mildew (0-9)
89	1994- 6722/ 2	126-157/ 2	- / 0	1MR- 1MR/ 1	1MR- 1MR/ 1	-	/ 0 2-2/ 1	0-3/ 2
22	2641- 4393/ 2	125-156/ 2	- / 0	10MS-10MS/ 1	50S -80S / 2	-	/ 0 1-1/ 1	0-3/ 2
74	1600- 4868/ 2	128-159/ 2	- / 0	40S -40S / 1	1MR-30MS/ 2	-	/ 0 4-4/ 1	0-1/ 2
59	3555- 4762/ 2	124-155/ 2	- / 0	1MR- 1MR/ 1	10MS-30S / 2	-	/ 0 1-1/ 1	1-3/ 2
85	2808- 4239/ 2	124-156/ 2	- / 0	40MS-40MS/ 1	5S -10MS/ 2	-	/ 0 1-1/ 1	1-4/ 2
88	3335- 4627/ 2	126-157/ 2	- / 0	1MR- 1MR/ 1	40S -60S / 2	-	/ 0 1-1/ 1	1-1/ 1
58	1487- 3427/ 2	126-156/ 2	- / 0	1MR- 1MR/ 1	1MR-10MS/ 2	-	/ 0 4-4/ 1	0-3/ 2
37	2247- 5387/ 2	127-158/ 2	- / 0	1R - 1R / 1	1R -20S / 2	-	/ 0 3-3/ 1	1-1/ 2
46	2674- 3086/ 2	123-156/ 2	- / 0	1R - 1R / 1	1MR-40S / 2	-	/ 0 2-2/ 1	1-3/ 2
39	2121- 4513/ 2	125-155/ 2	- / 0	40MS-40MS/ 1	10S -40MS/ 2	-	/ 0 2-2/ 1	3-4/ 2
86	2654- 3816/ 2	129-158/ 2	- / 0	1MR- 1MR/ 1	30MS-30MS/ 1	-	/ 0 1-1/ 1	3-4/ 2
66	2821- 4896/ 2	126-158/ 2	- / 0	40S -40S / 1	30S -30S / 1	-	/ 0 3-3/ 1	3-3/ 2
57	1140- 3386/ 2	128-161/ 2	- / 0	1MR- 1MR/ 1	10MS-30S / 2	-	/ 0 4-4/ 1	0-3/ 2
26	1760- 5494/ 2	129-159/ 2	- / 0	1MR- 1MR/ 1	1MR-40S / 2	-	/ 0 4-4/ 1	0-5/ 2
67	980- 3301/ 2	123-152/ 2	- / 0	1R - 1R / 1	1MR-10MR/ 2	-	/ 0 4-4/ 1	0-0/ 1
64	2347- 4680/ 2	124-156/ 2	- / 0	30MS-30MS/ 1	20S -30MS/ 2	-	/ 0 3-3/ 1	4-4/ 1
10	1807- 3604/ 2	129-158/ 2	- / 0	70S -70S / 1	10MR-10MS/ 2	-	/ 0 3-3/ 1	1-4/ 2
69	5216- 5216/ 1	128-160/ 2	- / 0	1R - 1R / 1	1R -60S / 2	-	/ 0 4-4/ 1	0-1/ 2
35	1900- 5440/ 2	125-157/ 2	- / 0	1R - 1R / 1	1R - 5S / 2	-	/ 0 3-3/ 1	4-4/ 1
28	2334- 4071/ 2	124-155/ 2	- / 0	1R - 1R / 1	1MR-80S / 2	-	/ 0 1-1/ 1	2-2/ 1
3	1226- 1954/ 2	123-151/ 2	- / 0	30MS-30MS/ 1	10MS-80S / 2	-	/ 0 4-4/ 1	0-0/ 1
76	2494- 3883/ 2	126-155/ 2	- / 0	45S -45S / 1	30MS-30MS/ 1	-	/ 0 2-2/ 1	3-4/ 2
42	1287- 3509/ 2	126-159/ 2	- / 0	1R - 1R / 1	1R -10MS/ 2	-	/ 0 3-3/ 1	1-2/ 2
41	2107- 4421/ 2	127-158/ 2	- / 0	1R - 1R / 1	1MR-40S / 2	-	/ 0 2-2/ 1	4-5/ 2
36	1440- 5114/ 2	125-157/ 2	- / 0	1R - 1R / 1	1R -20S / 2	-	/ 0 3-3/ 1	1-1/ 1

TABLE 15. Pedigrees of Lines Selected for Best Performance in the Following Eleven Categories:
 (1) Yield Performance; (2) Earliness; (3) Winterhardiness; (4) Stripe Rust; (5) Leaf Rust; (6) Stem Rust;
 (7) Septoria; (8) Mildew; (9) Overall Performance in the Low Rainfall Zone; (10) Overall Performance in
 the Intermediate Rainfall Zone; (11) Overall Performance in the High Rainfall Zone

ENTRY	PEDIGREE	RANK BY CATEGORY										
		1	2	3	4	5	6	7	8	9	10	11
1	BOLAL		17	25	25		2		9	25		
2	BEZOSTAJA			25			18	7				
3	ANZA		5		25							21
4	RSK		8	25	25		25			22		
6	TAM105//MZL/TI			25	25		25	20				
7	F12.71//COC//CARSTEN/GIGANT		25	25	25		12	2		10	25	
8	F12.71//COC//CARSTEN/GIGANT		25	25	25	25	7	5		19	17	
9	NS2568-2//BEZ. DW/ZG1477/3/MZL/TI			25								
10	NZT/BEZ1//ALD"S		5		25	10		4		25	1	17
11	FESTIVAL/THESEE			25		25						
12	CD*3/3/MD//MCM/EX/4/YMH/HYS/5/6158-19				25			25				

RANK BY CATEGORY

ENTRY	PEDIGREE	1	2	3	4	5	6	7	8	9	10	11
13	-0-				25	25	25			16		
14	-0-				25	25	7	13			7	
15	AU/3/MINN//HK/38MA/4/YMH/ERA/5/85CB077				25				14	25		
16	PJ/HN4//GLL/5/85CB077				25				25			
17	PJ/HN4//GLL/5/85CB077				25				21			
18	ALCEDO/5/AU/3/MINN//HK/38MA/4/YMH/ERA				25							
19	85CB077/5/ND/P101//BB/GLL			23	25				23			
21	85CB077/5/ND/P101//BB/GLL			25	20							
22	SWM844553, F1/5/NRDN/NADTYPE//BEZ	13	14	2	25		1	25	12		10	2
23	PJ/HN4//GLL/3/SERI				25		25	8				
24	F12.71/COC//GLEN				25		25	10				
25	F12.71/COC/3/ZA75/BDFN//BJY	20	16	25	25					8		
26	MHB30-2/TAL/4/ANA/MAYA/3/RAPRE//CNO.S/7C	15		25	25		15			25	14	
27	MHB30-2/TAL/4/ANA/MAYA/3/RAPRE//CNO.S/7C			25	25							
28	ID 800994-/SICHUAN WHEAT 19	7	2		25		25	10		15		20
29	CLLF//BB N1/3/TJB368-251/BUC				22		25					

RANK BY CATEGORY

ENTRY PEDIGREE

1	2	3	4	5	6	7	8	9	10	11
			25							
30	CLLF//BB N1/3/TJB368-251/BUC									
31	CLLF//BB N1/3/TJB368-251/BUC		25	25						
32	CLLF//BB N1/3/TJB368-251/BUC			25						
33	NZT/BEZ//HUAR/3/OK82282			25	21					
34	NZT/BEZ//HUAR/3/OK82282			25						
35	NZT/BEZ//HUAR/3/OK82282		19	25	19			19		
36	NZT/BEZ//HUAR/3/OK82282	25	25	25	8		24	20	15	25
37	F12.71/COC//KVZ.S	9	21	25	25	25	11	25	4	8
38	F12.71/COC//KVZ.S	8	18	25	25	9			9	
39	F12.71/COC//KVZ.S	18	6	25	25	22		25	5	10
41	F12.71/COC//KVZ.S	10		25	25	25	4	25		25
42	ZA75/BDFN//BJY.S/3/K134(60)/VEE.S	25	25	25	18	11	16	25	1	25
43	ZA75/BDFN//BJY.S/3/K134(60)/VEE.S	15	3	25			22	4	25	
44	ID#2781/8/C072-4660/TI-RESEL, F1/9/DYBR83-113	13	25	25		5		18	18	
45	OWA842178, F1/9/78W025001		25	25						
46	DYBR83-107/RSK	3	25	25		25		14	11	9

RANK BY CATEGORY

ENTRY PEDIGREE

1	2	3	4	5	6	7	8	9	10	11
			25							
47	-0-									
48	DYBR83-70/3/JSW6/L0V13//JSW3			1	25			9		
49	NWT/PYN//AMI/CRC/3/PMN/4/AFG3			11	25	19				
50	RMNF12-71/JUPS//7BW025001			25						
51	PJ/HN4//GLL/5/85CB077			25		20				
52	ND/P101//BB/GLL/3/TJB54-218/MHR30-2//HTL			25		5				
53	SEPCB84048/SEPCB84038			25	5		15	8		
54	SPN//AU/YMH/4/D6301/HN7//ERA/3/BUC/5/SPN			25		11				
55	-0-			25	25	12		6		
56	-0-			25	25					
57	PJ/HN4//GLL/3/BUC "S" /BJY "S"			25	25		7	16		13
58	PJ/HN4//GLL/3/SERI			25	25		8	4	5	7
59	F12.71/COG//BAGULA "S"			3	9	4	25	10	9	12
61	F12.71/COG//GLEN			22		25				13
62	NZT/BEZ1//ALD "S"			1	25	25	11	15		6
63	TJB916.46/CB306//2*HBT/3/BUV "S" /4/CHUM 18			25	25	15		23		

RANK BY CATEGORY

RANK BY CATEGORY

ENTRY	PEDIGREE	1	2	3	4	5	6	7	8	9	10	11
81	-0-			25	25	4					17	
82	4TH IWWSN 57 TURKEY	16		25	25	3			13	3		
83	-0-			25								
84	NAI60/HN7//BUC"S"/5/F59.71/4/BB/KAL//ALD"S"/3/Y50E/			25	25	16		12				
85	AU/3/MINN//HK/MDA38/4/YMH/ERA/5/BOW	6	12	25	25	14	8			6	25	5
86	F12.71/COC	21		25	25		9				11	
87	H85094	24		25	25		25					
88	SWM790756, F1/5/AU//MINN/HK/3/38MA/4/YMH/ERA	12	20	25	25		3	22				6
89	PAYNE//T101/AMI	2		25	25	2		6	3	11	25	1
90	SN64//SKE/ANE*2/3/SX/4/BEZ/5/BOWS	17	7		25		13			13	25	