Results of the Fourteenth International Early Maturing Winter X Spring Wheat Screening Nursery (1986-1987)

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U.S. Department of State

The International Maize and Wheat
Improvement Center

CONTENTS

About This Report

This publication reports the results of the fourteenth international early maturing winter x spring wheat screening nursery. It is identified as volume 14(1). Oregon Agricultural Experiment Station Special Report 823 is a companion publication, designed as volume 14(2). It reports the results of the fourteenth international late maturing winter x spring wheat screening nursery.

INTRODUCTION

Since the inception of the nursery, 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 cereal regions worldwide and provide graduate training of scientists from Less Developed Countries (LDCs). The total program allows for an active exchange of diverse wheat and barley germplasm with cooperating institutes. Approximately 2,000 wheat accessions and 400 barleys are received and evaluated at OSU annually from cooperators in winter cereal regions of the world. In 1985 a similar program was developed for winter and facultative barley germplasm in cooperation with the International Center for Agricultural Research in the Dry Areas (ICARDA).

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.

Starting in 1988, the exchange of enhanced germplasm by OSU included facultative and winter barley as well as wheat. For wheat, rather than providing screening nurseries, those cooperators wishing to participate are receiving bulked F_3 populations, crossing blocks, or selected germplasm for specific attributes. From the bulked F_3 populations it will be possible to select for adaptation to specific localities as considerable genetic variability is available within the populations. It is hoped that as lines are selected by various programs, they will be shared within regions such as the Turkish Screening Nursery or nurseries coordinated by ICARDA. Hopefully similar regional screening nurseries will be established in the Southern Cone region of South America and in the Far East. Wheat germplasm distributed by OSU will not require the collection and reporting of data on a formal basis as in the past; however, as promising materials are selected within a region, it would be desirable to recycle them through the winter x spring crossing program. Likewise, information on specific attributes such as resistance to particular diseases could be reported on an informal basis. These changes in the way OSU handles the dissemination of wheat germplasm is prompted by reductions in funding and a request that greater efforts be directed toward barley and some aspects of biotechnology.

The Fourteenth International Winter X Spring Wheat Screening Nursery was divided into two sections based on maturity. Results of the early maturity nursery are herein reported. For barley, a screening nursery is being sent out this year and will follow a similar format as did the wheat screening nursery.

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 which 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 graphically 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 having a combination 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 which are listed in the miscellaneous (MISC) column according to a code which 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

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

Table 12, 13, and 14 identify the 25 lines of the IWSWSN which 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 which were selected for specific traits. In Table 4, 25 entries are listed based on their yield response over all locations. Entry 61 (YMH/HYS//HYS/TUR3055/3/DGA/4/VPM/MOS) varied in yield, depending on the location, from 254 to 9746 Kg/Ha, with 18 cooperators providing yield data for this entry. Information on other traits measured and the number of cooperators involved are also reported for this entry. 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

noted, 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 25 for each of the eleven traits reported across all locations. For example, entry 65 (AMD/MAYA 74/SPRW//SAP) ranked 1st for earliness, 1st for overall performance in low- and high-rainfall zones and 5th for performance in intermediate zones. Entry 84 (RBS/ANZA/3/KUZ/HYS/YMH/TOB//4/BOW S) was ranked in the top 25 across all locations for 9 of the 11 traits measured, including being ranked 1st for overall performance in intermediate rainfall zones. Other entries which appeared to be outstanding for five or more traits include entries 7, 22, 30, 47, 52, 53, 58, 61, 62, 63, 64, 69, 72, 73, 79, 83, 85, 89, 92, 93 and 99.

Selections Advanced

In Table 3, where the results of individual cooperators are listed, those entries which are selected for further evaluation 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 82 lines were selected by different cooperators for additional testing and use. Scientists from CIMMYT also selected 600 lines for potential use in Spring x Winter crosses to be made in Mexico.
CIMMYT scientists located in Turkey selected an additional 706 bulked F3 lines for further selection and possible use as parental material.

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 and barley 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 biotechnology and recombinant DNA hold, there is still no substitute for the enhancement and distribution of germplasm.

Appendix

One results booklet for the Thirteenth IWSWSN was received this year. This data has been included in the appendix summarizing the top 25 lines.

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. GEOGRAPHIC LOCATIONS OF COOPERATORS RECEIVING THE EARLY IWSWSN

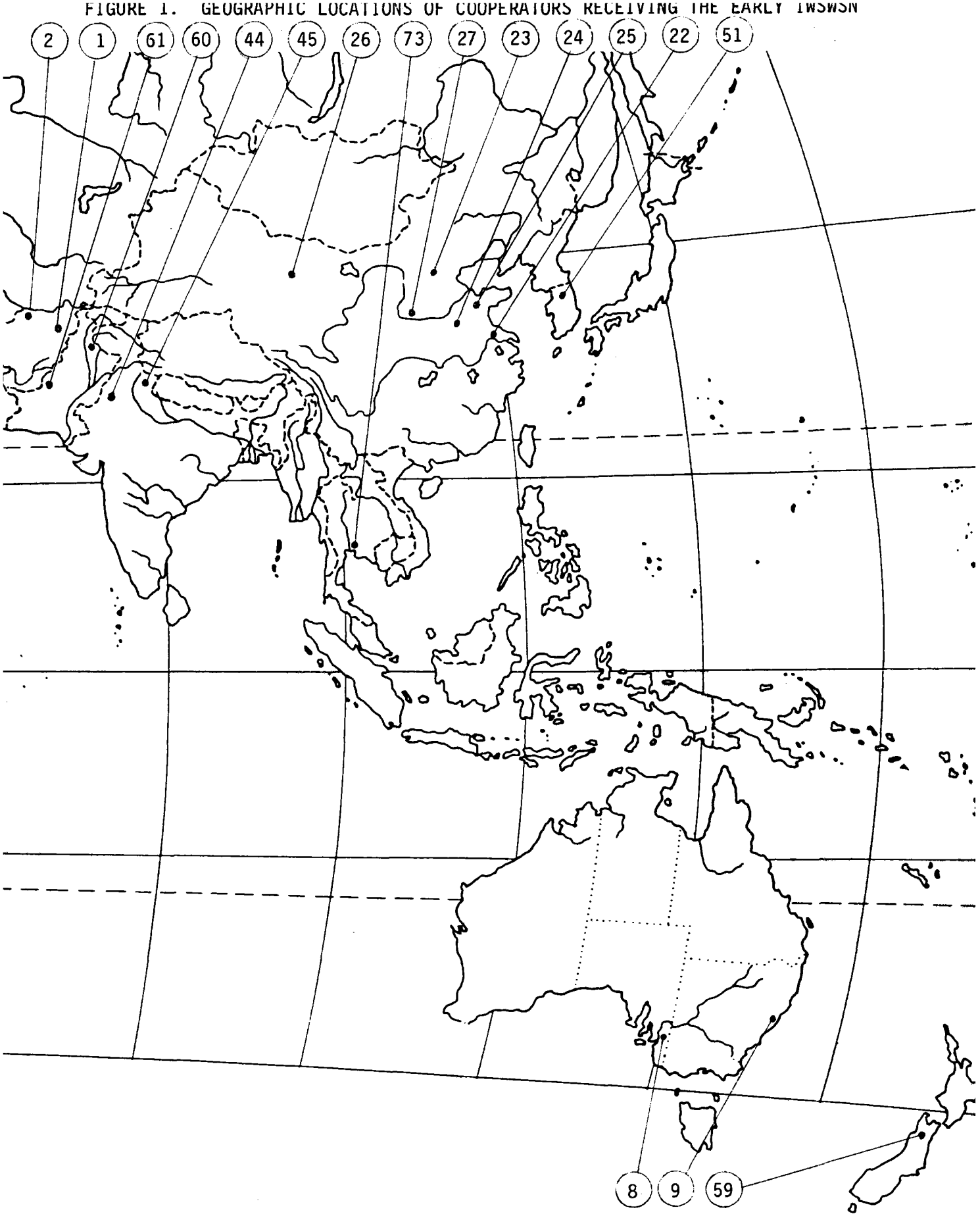

FIGURE 1. (CONT'D)

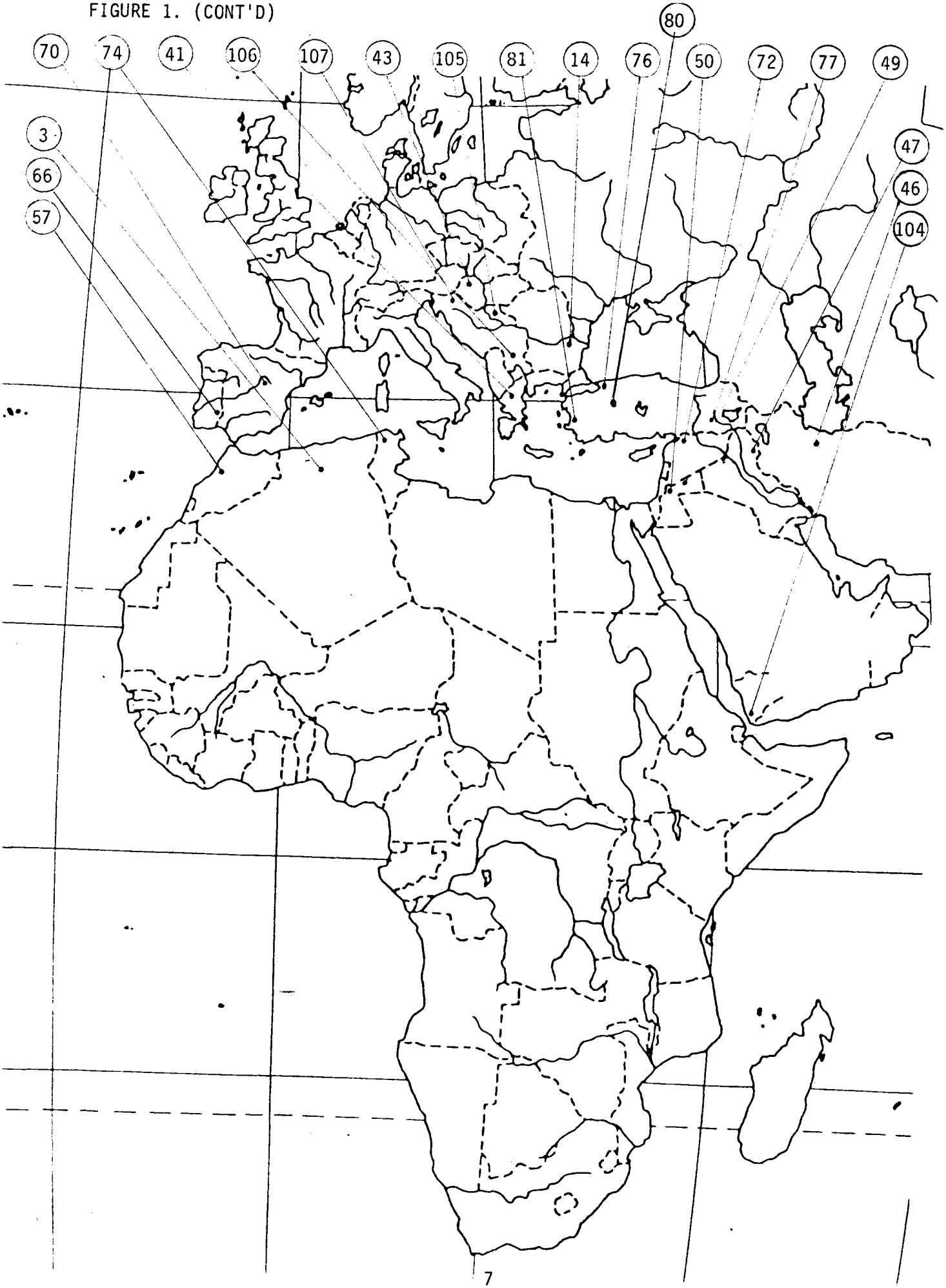

FIGURE 1. (CONT'D)

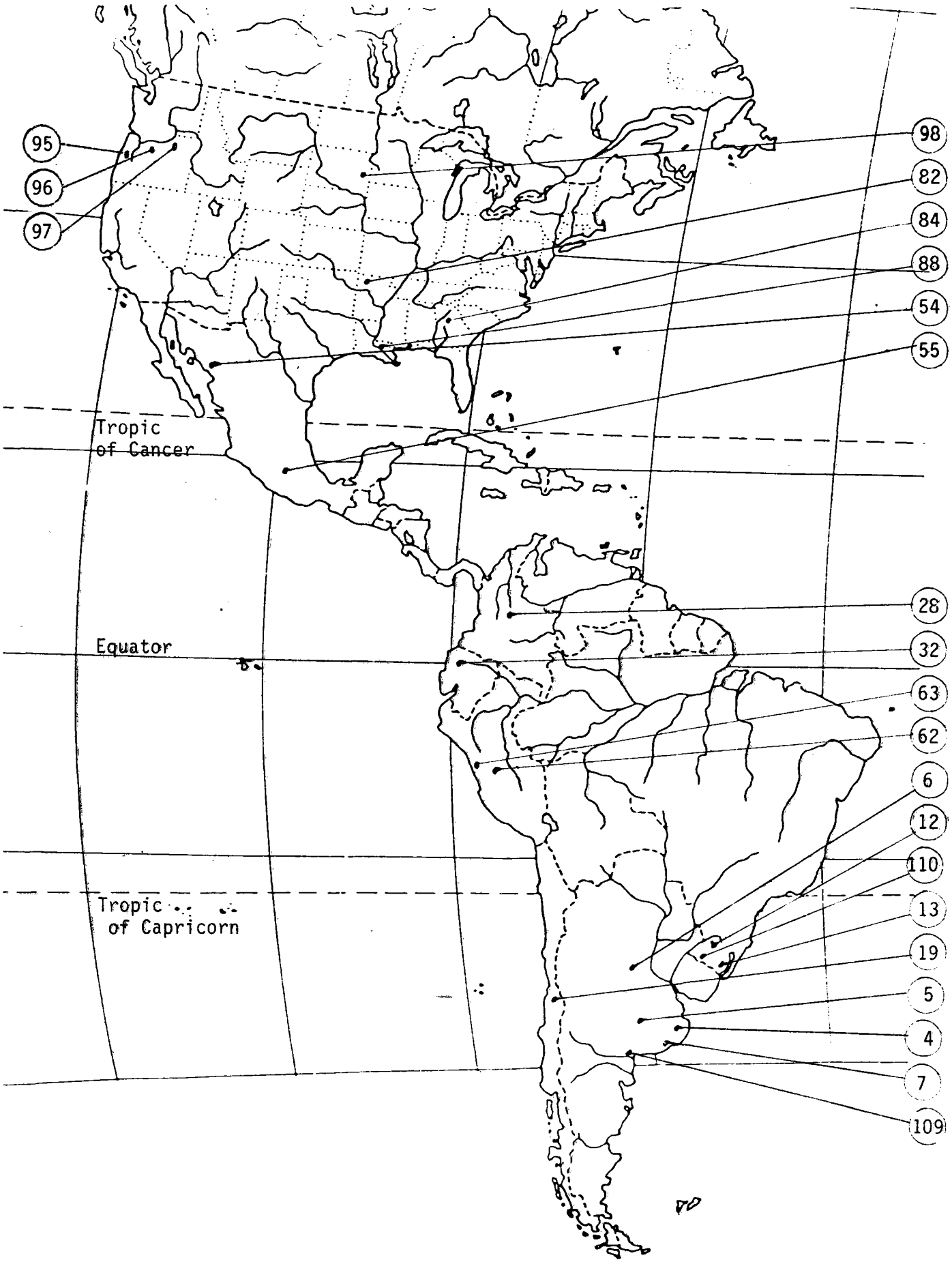

FIGURE 2. DATES OF PLANTING (P), HEADING (H), AND HARVEST (R) FOR ALL LOCATIONS EVALUATING THE EARLY IWSWSN.

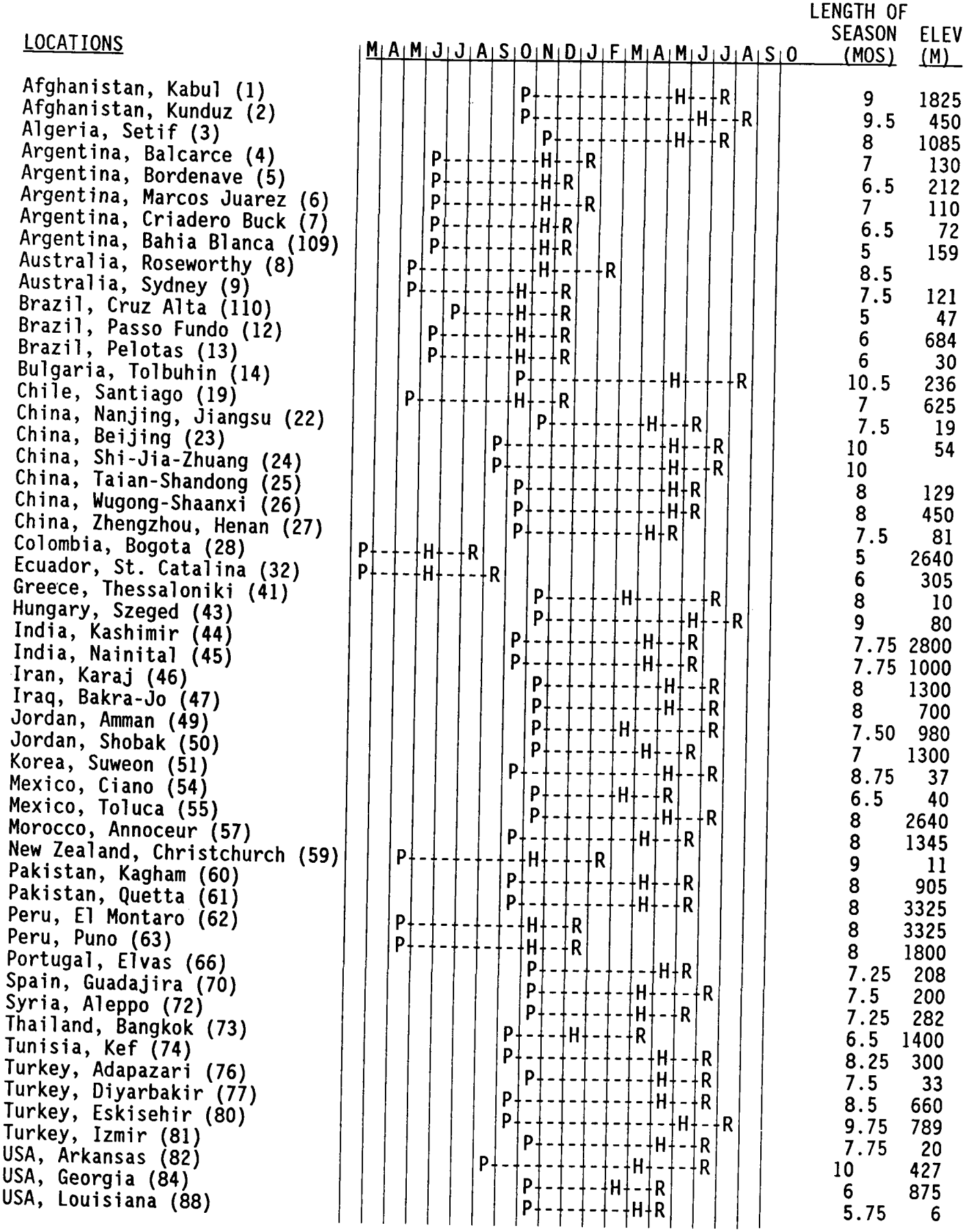

FIGURE 2. (cont'd)

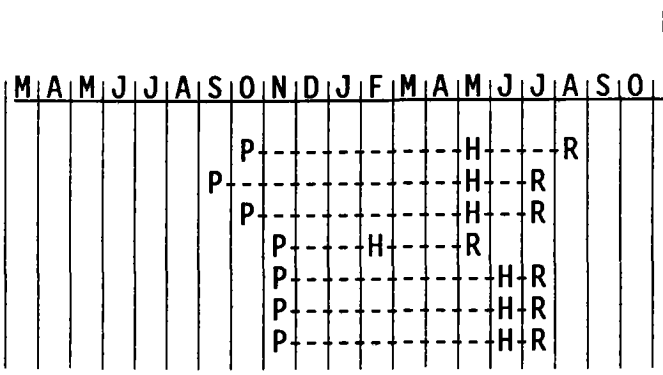

TABLE 1. Location of Scientists and Their Agencies Cooperating with the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

CODE	COUNTRY	STATION	COOPERATOR(S)	SEASONAL RAINFALL MM	ZONE	ELEV M	LATITUDE LONGITUDE	PLANTED HARVESTED	APPLIED	LOCAL VARIETY DATA RETURNED
1	Afghanistan	Darul- Aman Agr. Res. Sta.	Shamsuddin "Seddiqi"		3	1825	34°27'N 69°08'E	16/10/86 18/07/87	120N 60P	HB-102-100 *****
2	Afghanistan	Mazar-i-sharif	Saleh-Mohammad (Moori)	172	3	378	67°12'N 36°42'E	30/11/86 05/06/87	120N 80P	HD2232 *****
3	Algeria	Setif	IDGC Staff		1	1080	36°09'W 5°21'E			*****
4	Argentina	INTA-EEA Balcarce	R. A. Bedogni, J. M. Bariffi, H. Delmagro	506	2	130	37°45'S 58°18'W	7/05/86 23/12/86	18N 46P	Chasico *****
5	Argentina	INTA-EEA Bordenave	Juan Ramon Lopez	268	1	212	37°50'S 63°01'W	22/05/86 27/12/86		Cochico INTA *****
6	Argentina	INTA Marcos Juarez	Wheat Staff	430	1	112	32°42'S 62°07'W	6/03/86 12/05/86		Las Rosas INTA *****
7	Argentina	Criadero Buck - La Dulce	Jose Buck S. A.		1	72	38°20'S 58°40'W			No response to letter
109	Argentina	Criadero ACA - Cabildo	R. Miranda and A. Junquera	372	1	159	38°29'S 61°54'W	7/06/86 11/12/86	18N 46P	Coop. Bahia *****
8	Australia	Roseworthy Agric. College	G. Hollamby		1	63	30°10'S 140°05'E			No response to letter
9	Australia	P. B. I. Castle Hill	R. A. Mcintosh	573	2	121	33°44'S 151°10'E	/05/86 /12/86		*****
12	Brazil	CNPT - Passo Fundo	L. Del Duca		3	684	28°15'S 52°24'W			No response to

CODE	COUNTRY	STATION	COOPERATOR(S)	SEASONAL RAINFALL MM	ZONE	ELEV M	LATITUDE LONGITUDE	PLANTED HARVESTED	APPLIED	LOCAL VARIETY DATA RETURNED
13	Brazil	Pelotas	M. Rocha		2	30	30°95'S 52°50'W			No response to letter
110	Brazil	Cruz Alta - CEP	Matzenbocher		3	473	28°38'S 53°36'W			No response to letter
14	Bulgaria	Inst. of Wheat and Sunflower Breeding	Nicolai Tsenov		3	236	40°40'N 28°10'E	13/10/86 28/07/87	100N 100P	Pliska *****
19	Chile	La Platina	I. Ramirez and Wheat Staff	119	3	625	33°34'S 70°38'W	3/07/86 5/01/87	90N 92P	Millaleu INIA *****
22	China	Jiangsu Academy of Ag. Sci.	Cao Yang	666	3	9	32° 'N 118°48'E	24/10/86 05/06/87		Ning Mai 3 *****
23	China	Beijing	Heng-Li Wang	249	3	54	39°59'N 116°17'E	25/09/86 28/06/87	229N 84P 42K	Feng-Kang 2 *****
24	China	Shi Jia zhuang	Sun Fng Rui	135	3	80	38°03'N 114°28'E	10/10/86 10/6/87		Ji Mai 7 Hao *****
25	China	Shandong Agricultural	Q. Q. Li, W. Y. Bao, A. F. Li	391	3	129	36°10'N 117°09'E	01/10/86 13/06/87	295N 230P	Jinan 13 *****
26	China	Wugong	Ning Kun	299	3	455	34°21'N 108°10'E	5/10/86 17/06/87	40N 96P	Shaan 7859 *****
27	China	Henan Wheat Res. Inst.	Zhao De Fang	187	1	81	34°49'N 113°40'E	08/10/86 01/06/87	190N 50P 12K	Bao Feng 7228 *****
28	Colombia	Bogota	M. Baquero		1	2640	4°40'N 74°12'W			No response to letter
32	Ecuador	Sta. Catalina-INIAP	INIAP/CIMMYT		3	3058	00°22'S 78°33'W	25/02/86	100N 120P	Aitar *****
41	Greece	Cereal Institute	S. Stratilakis, D. Gogas	325	1	10	40°38'N 22°57'W	24/11/86 14/07/87	180N 40P	Dio *****

CODE	COUNTRY	STATION	COOPERATOR(S)	SEASONAL RAINFALL MM	ZONE	ELEV M	LATITUDE LONGITUDE	PLANTED HARVESTED	APPLIED	LOCAL VARIETY DATA RETURNED
43	Hungary	Cereal Res. Inst.-Szeged	Dr. Zoltan Barabas	436	2	80	46° 'N 20° 'E	20/10/86 20/07/87	100N 100P	***** *****
44	India	Kashimir	A. Austin		2	2800	34°20'N 75°00'E			No response to letter
45	India	Nainital	A. Austin		2	1000	28°05'N 83°10'E			No response to letter
46	Iran	Karaj Central Res. Sta.	N. Banisadr	250	3	1300	50°35'N 58°50'E	19/10/86 07/07/87	120N 60P	***** *****
47	Iraq	Bakrajo, Sulaimanya	A. Alaka, A. Smhama		3	700	36°05'N 46°05'E			No response to letter
49	Jordan	University Campus-Jubeiha	M. Dunayri, F. Shqaidef	560	2	980	32°01'N 35°52'E	14/01/86 26/06/87	200N 60P	Hourani *****
50	Jordan	Shobak	N. Katkhuda		1	1300	32°35'N 31°30'E			No response to letter
51	Korea	Wheat and Barley Res. Inst.	Chon Suk Park	573	2	37	36°19'N 126°59'E	02/10/86 30/06/87	120N 90P 70K	Eunpamil *****
54	Mexico	Ciano	S. Rajaram and CIMMYT		3	38	27°20'N 109°54'W			*****
55	Mexico	Cimmyt, Toluca	Cimmyt staff		3	2640	99°51'N 19°16'N		50N 60P	*****
57	Morocco	Annoceur - Rabat	M. Jlibene		1	1345	34°30'N 4°40'W			No response to letter
59	New Zealand	Lincoln Research Center	W. B. Griffin	621	2	11	43°38'S 172°30'E	13/05/86	100N	Tui, Kotore *****
60	Pakistan	Hill Agricultural Res. Sta. - Kagham	Sajjad Hussain and Staff		3	2103	34°78'N 73°57'E	25/10/86 03/08/87	140N 70P	PAK-81 *****

CODE	COUNTRY	STATION	COOPERATOR(S)	SEASONAL RAINFALL MM	ZONE	ELEV M	LATITUDE LONGITUDE	PLANTED HARVESTED	APPLIED	LOCAL VARIETY DATA RETURNED
61	Pakistan	Ag. Research Institute - Sariab	Director		1	1675	30°11'N 66°57'E			No response to letter
62	Peru	El Montaro	J. Calderon C., J. Mandujano M.		3	3325	12°04'S 75°12'W	17/06/86 08/07/87	12N 12P 12K	Chumpi BN *****
63	Peru	Puno	M. Romero-Loli		1	1800	15°90'S 70°05'W			No response to letter
66	Portugal	National Plant Breeding Sta.	Cereal Staff	499	2	208	38°54'N 7°09'W	29/10/86 22/06/87	140N 84P 50K	Marius *****
70	Spain	La Orden	J. Montero De Espinosa et al.	286	1	200	38°49'N 06°39'W	10/11/86 15/07/87	79N 60P 60K	Astral *****
72	Syria	ICARDA	M. Tahir		1	282	36°05'N 36°55'E	21/11/86 1/07/87		Shamz *****
73	Thailand	Ang Kang Royal Highland Ag. Station	N. Ratanadilok		1	1400	17°00'N 99°00'E			No response to letter
74	Tunisia	El Kef	A. Daaloul		1	300	36°50'N 8°85'E			No response to letter
76	Turkey	Adapazari	M. Arican		3	33	40°44'N 29°22'E			*****
77	Turkey	S.E. Anatolian Ag. Res.-Diyarbakir	A. Aydin		2	660	37°55'N 40°12'E			*****
80	Turkey	Eskisehir	B. Suzen		2	789	36°45'N 30°45'E			*****
81	Turkey	EGE Bolge Zirai-Izmir	Ertug Firat		3	20	38°35'N 27°05'E			*****
82	USA	Fayetteville, Arkansas	R. R. Bacon	700	3	412	36°06'N 94°10'W	3/10/86 25/06/87	112N	Rosen *****

CODE	COUNTRY	STATION	COOPERATOR(S)	SEASONAL RAINFALL MM	ZONE	ELEV M	LATITUDE LONGITUDE	PLANTED HARVESTED	APPLIED	LOCAL VARIETY DATA RETURNED
84	USA	Experiment, Georgia	J. Johnson		1	875	34°00'N 85°50'W			No response to letter
88	USA	Baton Rouge, Louisiana	L. Anzalone, S. A. Harrison		2	485	30°32'N 91°09'W			No response to letter
95	USA	Corvallis, Oregon	W.E. Kronstad	1030	3	68	45°30'N 123°30'W	14/10/86 29/07/87	190N	Stephens *****
96	USA	Moro, Oregon	W.E. Kronstad	281	1	187	45°29'N 120°43'W	28/09/86 15/07/87	55N	Stephens *****
97	USA	Pendleton, Oregon	W. E. Kronstad	406	2	454	45°30'N 118°26'W	08/10/86 22/07/87	109N 22S	Stephens *****
98	USA	Brookings, South Dakota	J. L. Gellner		1					No response to letter
104	Yemen Arab Rep.	Central Highland Regional Station	A. Hakimi, M. Saqir, S. Sholan		1	2330	14°36'N 44°21'E	2/12/86 25/05/87	120N 60P	Marer-1(Pavon 76 *****
105	Yugoslavia	Novi Sad	S. Borojevic		2	84	45°03'N 19°08'E			No response to letter
106	Yugoslavia	Skopje	I. Angelov		2	250	42°02'N 21°22'E			No response to letter
107	Yugoslavia	Zagreb	Z. Martinic		2	116	45°51'N 15°56'E			No response to letter

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 1 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
1 BOLAL		BOLAL								HR	ID# =		1153 BOLAL		
1				98		126	40S					92	97		
2	5038	98	40.	87		113	20S	40S					85		
3	617	96													
4	1833	80	34.	103		288	1MS	50MS	5MS	7					
5	4300	188	82.	128		296			10MS	7					
6						270									
9							60S	1MS	80S						
14	6997	76	39.4	115		151		20R	10R		5				
19							70S		70S						
22				97		120							100		4
23	6317	94	40.3	125		136	20S	5S				54	54	*	
24				95	2	157									
25				123		123	MS								
26				130	100	126	25MS			9	7	88			
27	3148	95	37.4	120		115	25MS				7				
32				75			40S								10
41	3614	113		132		168			70MS		0	50	30		208
43				108		152			80S		7				
46	4268	85		90		127	20S								
49	2130	256		94											
51	5550	86	42.	127	38	142				5			95		
54								60S	60S						4
55				118		175			90S						2 2
59							80S	0		0	3				
60	486	88	36.	70		197	20S					85	78		
62				118		142	25S								3
66				127	50	158		5MR	10S	7		80			
70	3724	90				100									
72	1467	100		88		135									169

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ENTRY 1 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
76															
77															
80															
81															
82	1851	149		78	0										
95	3109	54			90	120	70S			6		65	98		
96	3024	66													
97	2456	29			75										
104				89	10		60S								
109	2377	73		96		294		10MS		2					
2	BEZOSTAJA		BEZOSTAJA							HR	ID# =		120 BEZOSTAYA		
1				94		130	5MS								
2	4865	95	43.	85	20	115		20S				98	97		
3	542	84											90		
4	2283	100	39.	98		297		1MS		7					
5	1917	83	81.	103		302			30S	4					
6						288									
9							80X	1R	80X						
14	6663	72	40.2	104		153		10R	40MR		5				
19							0	50S	60S						
22				95		125							100		3
23	4884	73	30.9	100		139	10R	10S				64	91		
24				84	20	158									
25				98		128					3				
26				113	5	132	10MR			9	3	90			
27	2590	78	33.4	102	10	120	10M				7				
32				50			30S						15		10
41	2191	68		107		171			70MS		0	60	20		205
43				88		152			80S		7				
46	1634	32		78		130									
49	1550	186		82											

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 2 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
51	5800	89	40.	110	45	145				3			95		
54									15S						5
55				95		182		5MS	80S						3 1
59							70S	0		0	3				
60	460	83	43.	65		203	10S					85	75		
62				105		150	1R								5
66				117	35	161		10MR	40S	6		75			
70	3325	80				109									
72	1400	95		73		141									169
76															
77															
80															
81															
82	1139	91		76	0							70	80		
95	4661	82			30	128	40S			5					
96	4273	94													
97	5689	68			15										
104				69	75		20S								
109	2777	85	81.7	83		299		10MR	1MR	2					
3 ANZA		ANZA								HR	ID# =		415 ANZA		
1	5000			73		123	25S		10S			98	92	*	
2	3719	72	36.	70		113	20S	30S					84		
3	793	123													
4	716	31	21.	75		277				9					
5	1833	80	79.	83		290			20MS	7					
6						250									
9							15R	30S	60S						
14	6455	70	30.	81		146		20MR	10R		1				
19							0		10MR						
22															
23				71		137		20R				33	25		

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 3 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
24				68	0	156					8				
25				74		123					5				
26				90	0	120	99S			9	6	100			
27	2648	80	23.	86		106	10MS								
32				55			60S				2				
41	3460	108		92		159			70MS		7	35	30		205
43				77		152		20MS	60MS						
46	5336	107		73		126			5S						
49	2850	343		75											
51	3250	50	39.	83		141				5			90		
54								90S	60S						3
55				68		159			90S						3 3
59							10S	40S		0	3				
60	406	73	37.	85		203	10S					85	73		
62				70		127	40S								
66				97	20	142		5MR	0	8		75			
70	3325	80				92									
72	1600	109		70		133									
76															168
77															
80															
81															
82	583	47		59	0							58	68		
95	3357	59			85	117				5					
96	3020	66													
97	8033	97													
104				68		56	40S							*	
109	1455	44		72		287		1R	1R	3					120
4 ROUSSALKA		RSK									HR	ID# =		61 ROUSSALKA	
1															
2	4412	86	48.	70		125	15S					99	94		
				83		111	10MS	20MS					87		

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 4 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
3	651	101													
4	816	35	24.	80		280			1MR	8					
5	2033	89	74.	93		288			1R	5					
6						302									
9							50X	1R	70X						
14	8163	89	43.1	89		144			20R		2				
19							0	00	20S						
22				97		120							100		5
23	4584	68	40.5	83		134	25MR					59	92	*	
24				69	0	155									
25				82		120									
26				93	0	120	99S			9	6	90			
27	3048	92	32.8	91	45	111	10MS				7				
32				60			10S								20
41	3537	110		93		160			80MS		0	40	30		203
43				75		146			99S		7				
46	6069	122		60		123									
49	2450	295		71											
51	6350	98	40.	100	3	139				5			95		
54								30S	10S						5
55				75		173		5MS	80S						3 2
59							70S	0		0	2				
60	383	69	40.	65		197						85	70		
62				91		146	40S								5
66				96	20	151		5MR	1MR	7		80			
70	4389	106				96									
72	1634	111		70		133									167
76															
77															
80															
81															
82	1253	101		57	0							80	80		
95	4529	80			5	118				6					

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 4 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
96	4550	100													
97	7121	86													
104															
109	1966	60		74 78		288	60MS	1R	1R	2					
5		LOCAL CHECK											SW ID# =		LOCAL CHECK
1															
2	5118	100	34.	85		128	25MS								
3	642	100		84		112		30S				98	100		
4	2283	100	33.	105									91		
5	2283	100	79.	103		297		1MR	5MS	5					
6						296			20MS	3					
9						274									
14	9162	100	37.	92											
19						147	10R				2				
22							0		1R						
23	6668	100	35.3	90		115									
24			45.3	89		132							100		5
25				64	0	157						39	100	*	
26				93		120	S				6				
27	3282	100	32.	83	0	119	5R			9	5	73			
32				77		108	10S				0				
41	3691	115		83			10MS								
43				93		166			0		0	30	50		205
46	4969	100													
49	830	100		91		123	80S								
51	6450	100	35.	93	43	132				3			95		
54								60S							
55															2
59															
60	549	100	48.	60			30S	15S		6	5				
62				139		203	10S					85	98		
						148	50S								5

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 5 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
66				110	20	159		20S	20S	5		90			
70	4123	100				103									
72	1467	100		70		135									165
76															
77															
80															
81															
82	1238	100		63	0							90	65		
95	5653	100			0	132				5					
96	4544	100													
97	8264	100													
104				76		56	40MS							*	120
109	3244	100	83.7	103		300				3					
6	SWM788720		ND/VG9144//WOP								HR	ID# =	840012	OR8400012P	
1				80		131						100	100		
2	5971	116	32.	92		119		20S					98		
3	617	96													
4	2000	87	28.	100		301		1MS	1MS	5					
5	2383	104	80.	95		310			40S	1					
6						279									
9							25MR	1R	10R						
14	7746	84	34.5	105		152					1				
19							0	1MR	70S						
22				107		127							100		
23				91		142						64	95		
24				79	0	160									
25				97		129	S								
26				100	0	132	5MR			9	5	100			
27				91		119	60S				6				
32															
41	1538	48		109		175			0		0	40	20		205

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 6 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
43				80		156			80S		5				
46	1233	24		70		134									
49	1400	168		72											
51	4575	70	33.4	105	6	144				3			95		
54									15S						3
55				75		174		1MR	30MS						3 2
59							20S	0		0	0				
60	301	54	33.	45		206	20S					75	90		
62				85		149									
66				117	10	164		20S	30S	7		60			
70	3192	77				115									
72	1467	100		65		143									
76															169
77															
80															
81															
82	441	35		71	0										
95	5054	89			0	131				5		95	85		
96	3565	78													
97	4434	53													
104				70			40MS								
109	3177	97	77.7	85		304				2					
7 SWM788775	VPM/MOS83-11-4-8//PEW										HR	ID# =	840027 OR8400027P		
1				70		130									
2	4598	89	38.	82		112						95	92		
3	217	33											89		
4	1083	47	29.	85		287	1MS		1MS	5					
5	4350	190	75.	85		296				1					
6				80		279		15MS	5MS					*	
9							10R	1R	1R						
14	8663	94	38.5	97		151					0				

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 7 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
19							0		5R						
22			29.6	92		120							100		3
23	250	3	26.1	92		134						76	100	*	
24				71	0	157									
25				90		125									
26				95	0	129	00			9	5	100			
27	3315	101	26.6	90		114	0				2			*	
32				60											30
41	3768	118		93		168			70MS		0	50	30	*	205
43				70		153									
46	3435	69		75		125									
49	700	84		62											
51	6625	102	42.2	95		141				5			95		
54															5
55				85		176									2 1
59							0	0		0	0			*	
60	399	72	41.	58		199						85	75		
62				86		150									
66				95	10	159		0	5MR	7		80		*	
70	2926	70				100									
72	1334	90		60		141									171
76														*	
77															
80															
81														*	
82	469	37		59	0							30	95		
95	6272	110			0	126				4					
96	4358	95													
97	7434	89													
104				65			0								
109	2899	89		80		294				1					

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 8 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
8 SWM788802		TJB406-892/MON									HR	ID# =	840032 OR8400032H		
1	6500			85		135	5S								
2	2679	52	46.	84	70	120						95	93	*	
3	400	62											77		
4	3450	151	40.	95		293	5MS	1MS	40MS	5					
5	3017	132	73.	105		302			60S	1					
6						279									
9							15MR	1R	60S						
14	7996	87	32.	100		155		10R	60S		1				
19							5S	00	80S						
22				93		124									
23				90		140	40S						100		5
24				76	0	159						61	100		
25				85		129	S								
26				105	0	129	80S			9	5	100			
27				94		118	5S				6				
32				40											
41	1999	62		97		174			60MS		0	50	30		205
43				80		156			60S		7				
46	4268	85		75		126									
49	1700	204		62											
51	6750	104	43.	105		145				3			95		
54								5MR							5
55				95		181		5S	30S						2 1
59							10S	70S		4	0				
60	233	42	45.	60		206	10S					95	85		
62				98		152									
66				113	30	162		1MR	10S	6		85			
70	5320	129				105									
72	1467	100		70		143									
76															173

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 8 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
77															
80															
81															
82	683	55		70	0							60	100		
95	5170	91			70	128				4					
96	4639	102													
97	7953	96													
104				87			20MR								
109	4443	136	73.2	76		302				1					
9 SWM788865 VORO/3/TOB/CNO//ANZA										HR	ID# =	840047 OR8400047H			
1	6500			90		127						98	98	*	
2	2532	49	33.	99	70	114		20S					72		
3	450	70													
4	1867	81	30.	95		286				6					
5	2900	127	79.	105		298			20S	2					
6						283									
9							20R	1R	30MR						
14	6830	74	35.5	110		152		1R			1				
19							0		20M						
22				97		118							100		3
23				101		135	5R	5R				81	97		
24				96	75	157									
25				89		125									
26				120	10	129	80S			9	3	90			
27				105		114	0				6				
32				60			10MR								
41	4229	132		112		167			70MS		0	30	30		204
43				85		153			80MS		7				
46	4302	86		90		124									
49	1350	162		77											
51	3900	60	40.8	115	10	141				5			95		

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 9 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
54															
55				100		180		1R							5
59							20S	0		3	2				3 1
60	321	58	40.	92		205						95	80		
62				101		148									
66				108	40	159		1MR	10S	6		80			
70	3724	90				100									
72	1200	81		75		135									
76															167
77															
80															
81															
82	1053	85		72	0							85	100		
95	3743	66			90	119				5					
96	3371	74													
97	2296	27			80										
104				82			0								
109	2699	83		88		297				1					
10	SWM788865		VORO/3/TOB/CNO//ANZA							HR	ID# =	840048 OR8400048H			
1	7500			85		127						100	100	*	
2	3319	64	31.	91	65	115		20S					75		
3	400	62													
4	1883	82	32.	95		287			1MR	5					
5	4200	183	78.	105		297			20MS	1					
6						283									
9							15R	1R	60S						
14	6830	74	33.7	107		152		10R	15R		1				
19							0		20M						
22				94		120							100		3
23	4967	74	34.1	102		135	5R					59	100	*	
24				88	10	157									

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 10 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
25				92		125									
26				110	10	129	80S			9	3	90			
27				102		113	1MR				6				
32				40											
41	3306	103		109		167			80MS		0	30	30		204
43				75		151			80S		7				
46	4202	84		80		124									
49	2200	265		77											
51	4775	74	34.6	110	10	140				5			95		
54															5
55				95		178		1R							2 2
59							20S	0		3	2				
60	533	97	41.	94		206						95	92		
62				97		147									
66				111	30	161		0	5MR	6		75			
70	4788	116				101									
72	1400	95		70		135									
76															168
77															
80															
81															
82	1594	128		71	0							90	95		
95	2972	52			90	119				5					
96	3448	75													
97	2354	28			60										
104				87			0								
109	4266	131	75.9	94		296			1R	1					
11 SWM788901		MALWA/BJY									HR	ID# =	840051 OR8400051H		
1	7500			82		127			5S			98	98	*	
2	6011	117	37.	89		111							91		
3	667	103													

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 11 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
4	3000	131	36.	95		289	5MS	20MR	1MR	5					
5	5417	237	81.	95		296			20S	2					
6						285									
9							20X	60S	60S						
14	7080	77	35.	105		148		50S	10R		3				
19							0		70S						
22			35.	90		118							100		4
23				94		136		25s				66	79		
24				88	0	157									
25				95		124					5				
26				110	0	129	40MS			9	3	100			
27	3823	116	32.1	98		114	0				8			*	
32				50			60S								
41	4767	149		103		165			70MS		2	30	30	*	202
43				70		149			80S		7				
46	4235	85		85		125									
49	2350	283		61											
51	7850	121	45.8	105		142				3			95		
54								80S							5
55				95		181		80S							1 1
59							10S	20S		0	0				
60	653	118	39.	75		200						85	55		
62				93		148									
66				114	30	158		0	1MR	6		75			
70	5054	122				101									
72	2334	159		70		138									168
76															
77															
80															
81															
82	1708	137		61	50							80	100		
95	3609	63			90	126				7					
96	4232	93													

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 11 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
97	6724	81													
104				87			20R								
109	4166	128	75.9	95		296		5MR	1MR	2					
12 SWM789089 M2824/II50-17//MNE/3/COC										HR ID# =		840054 OR8400054P			
1				90		136						94	95		
2	3785	73	50.	96		120							78		
3	517	80													
4	3517	154	32.	95		303		1MR	5MR	6					
5	3250	142	78.	95		313			50S	1					
6						286									
9							15MR	1R	60X						
14	6830	74	30.	95		156					2				
19							0		50X						
22				98		127							100		1
23				96		143	5MR					60	58		
24				76	0	161									
25				78		130					5				
26				90	0	131	60S			9	7	90			
27	1799	54	26.1	96		120	5S				7			*	
32				50											
41	2537	79		94		177			60MS		2	40	20		209
43				80		162			60MR		7				
46	3234	65		85		132									
49	2000	240		66											
51	3900	60	38.4	95		145				5			95		
54								1R							3
55				75		174			40S						3 2
59							10S	0		0	5				
60	253	46	31.	55		201						85	55		
62				86		153									
66				100	10	169		0	10S	8		80			

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 12 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
70	3724	90				117									
72	933	63		60		144									
76															173
77															
80															
81															
82	1082	87		66	30										
95	6701	118			0	131				4		80	75		
96	5028	110													
97	6326	76													
104				55			0								
109	2733	84		86		306		1R		1					
13	SWM789094		093-44/KVZ//ALD								HR	ID# =	840059 OR8400059H		
1				100		128									
2	4825	94	43.	105		116		20S				95	95		
3	500	77											82		
4	3917	171	41.	105		294	1MR			6					
5	7984	349	83.	120		302				1					
6				80		288		10MS	1MS					*	
9							1R	1R	1R						
14	8913	97	40.5	125		155		30MR			8				
19							0	1MR	00						
22			38.1	93		124							100		3
23				115		140	10S					54	100		
24				89	0	160									
25				100		131	S				6				
26				135	0	129	80S			9	1	50			
27	3623	110	34.6	110		119	10S				7			*	
32				60											10
41	4844	151		113		174			0		0	40	30		209
43				90		158		30MS			7				

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 13 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
46	4202	84		100		131									
49	1700	204		74											
51	5700	88	40.2	125		145				1			90		
54								20MS							5
55				110		182		15S						*	2 1
59							30S	0		0	0				
60	266	48	32.	48		200						85	80		
62				95		163	1R								7
66				124	30	162		0	1MR	6		65			
70	3458	83				108									
72	1800	122		75		138									169
76															
77															
80															
81															
82	1651	133		70	0							60	100		
95	4888	86			10	126				5					
96	3709	81													
97	5043	61			20										
104				75	40		40S								
109	4099	126	79.5	107		303	1R			1				*	
14	SWM789206		D6301/HN7//ERA/3/BUC								HR	ID# =	840096	OR8400096P	
1	9500			85		138						98	99	*	
2	4305	84	43.	72		108							81		
3	617	96													
4	2433	106	35.	85		304		1MR	1MS	5					
5	1817	79	72.	90		313			10MS	2					
6						284									
9							15R	1R	10R						
14	5497	60	34.	90		157		10R			5				
19							0	00	50M						

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 14 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
22				100		127							100		
23				82		144						62	33		
24				64	10	163									
25				73		131					5				
26				100	0	131	80S			9	3	85			
27				99		119	0				7				
32				80			1R							*	
41	1768	55		84		177			40MS		0	40	30		212
43				85		159		5MS	80MR		7				
46	3401	68		95		132									
49	1900	228		60											
51	5525	85	34.4	100		145				5			95		
54															3
55				85		173									2 2
59							10S	0		0	4				
60	454	82	49.	56		198						95	75		
62				93		151	1R								1
66				95	10	170		5MR	5MR	6		75			
70	3458	83				117									
72	1467	100		60		144									173
76															
77															
80															
81															
82	555	44		65	50							60	80		
95	2655	46			70	132				3					
96	3015	66													
97	4716	57													
104				82		76	0								
109	2755	84		85		307		1MR		1					

15 SWM789758 TJB368-251/BUC HR ID# = 840138 OR8400138H

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 15 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
1	7800			80		130	10MS					96	95	*	
2	5331	104	40.	71		107							90		
3	517	80													
4	2067	90	42.	85		293	1MS		40MS	5					
5	2250	98	71.	95		302			60S	1					
6						286									
9							10R	5R	20MR						
14	8746	95	34.	85		156		10R			4				
19							0	1S	70S						
22				97		124							100		4
23				82		140	10R					55	93		
24				65	0	158									
25				82		129									
26				95	0	129	70S			9	7	75			
27				96		119	1MS				6				
32				70			1R								
41	3229	101		89		172			20MS		0	50	40		207
43				80		157			60S		7				
46	4869	97		75		130									
49	1900	228		51											
51	7000	108	37.6	95	10	145				5			90		
54								10MR							5
55				85		181		5MS						*	2 2
59							0	0		0	0			*	
60	599	109	30.	70		198						75	45		
62				79		157									
66				99	10	161		0	5MR	6		80		*	
70	5006	121	76.			104								*	
72	1334	90		60		144									171
76														*	
77															
80														*	
81															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 15 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
82	754	60		54	0										
95	4393	77			80	126				4		60	100		
96	4969	109													
97	5378	65			15										
104				75			0								
109	4388	135	73.9	83		302		5MS	1MR	1					
16 SWM789758		TJB368-251/BUC								HR	ID# =		840139 OR8400139H		
1	7100			80		130									
2	2466	48	36.	70		107						95	95	*	
3	751	116											95		
4	2000	87	43.	85		293			30MS	5					
5	5701	249	75.	95		302			40S	3					
6						286									
9							30M	1R	70X						
14	9162	100	39.5	92		154		10R	10R		0				
19							1MR	1S	50S						
22				95		125							100		3
23				96		140	10R					66	96		
24				57	0	158									
25				82		130	S								
26				95	0	129	70S			9	7	90			
27				97		119	25MR				6				
32				65			1R								
41	2691	84		87		171			60MS		0	40	30		205
43				70		158			60S		7				
46	4002	80		75		130									
49	1300	156		56											
51	8100	125	37.4	100		144				5			95		
54								10MR							5
55				85		179		5MS	60MS						2 2
59							40S	0		0	0				

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 16 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
60	267	48	44.	72		204	5S					85	60		
62				86		156	25S								
66				103	10	163		0	10MR	7		85		*	
70	4287	104	78.5			104								*	
72	1667	113		60		143									171
76														*	
77														*	
80															
81														*	
82	1708	137		58	0							70	100		
95	4513	79			80	126				4					
96	4628	101													
97	5936	71			40										
104				75			40MS								
109	4610	142	70.1	87		302	1R	1MR		2					
17 SWM789783 TJB916-46/CB306//2*MHB/3/BUC											HR	ID# =	840147 OR8400147P		
1	7800			80		130	5S					95	95	*	
2	4798	93	41.	78		106							92		
3	400	62													
4	2950	129	43.	90		303			10MR	4					
5	5301	232	79.	90		310			30S	1					
6				70		289		10MS	1MS					*	
9							10R	1R	70S						
14	7913	86	37.5	97		154			10R		1				
19							0	10S	60M						
22				102		127							100		2
23				90		141	10R					66	73		
24				72	5	158									
25				86		129	MS								
26				110	0	129	5R			9	7	100			
27				105		122	5MR				7				

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 17 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
32				70											
41	1922	60		90		175			70MS		3	50	20		30
43				80		157			80S		7				206
46	4502	90		90		130									
49	1000	120		56											
51	6500	100	42.6	100		145				3			95		
54								5MR							
55				85		180		5MS							5
59							0	0		0	0				3 1
60	299	54	43.	70		203						85	65		
62				85		163	1R								
66				98	10	169		10MR	20S	7		80			
70	3458	83				113									
72	1600	109		60		143									
76															173
77															
80															
81															
82	1039	83		64	0							70	85		
95	4370	77			0	126				4					
96	4087	89													
97	5508	66			15										
104				63			0								
109	3199	98	77.3	91		306				2					
18	SWM789783		TJB916-46/CB306//2*MHB/3/BUC								HR	ID# =	840148 OR8400148P		
1	6900			90		130									
2	5212	101	40.	79		107						99	98	*	
3	467	72											88		
4	2467	108	44.	85		304	1MS		10MS	5					
5	4717	206	79.	95		310			30S	1					
6						291									

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 18 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
9							5R	1R	70X						
14	6663	72	31.8	90		155			50S		0				
19							0	10M	80S						
22				105		127							100		
23				89		141	5R					73	70		
24				73	2	158									
25				87		131									
26				100	0	129	5R			9	7	90			
27				100		122	5MR				7				
32				70											30
41	2307	72		92		175			60MS		0	50	20		207
43				85		156			60MS		5				
46	4268	85		85		131									
49	1900	228		57											
51	4675	72	42.4	105		145				3			95		
54								10MR							5
55				90		180		5MS							3 1
59							0	0		0	0				
60	333	60	30.	60		203						85	35		
62				86		163									
66				104	10	169		0	10S	7		80			
70	3192	77				115									
72	1534	104		65		143									173
76															
77															
80															
81															
82	1110	89		66	10							70	100		
95	4465	78			0	126				5					
96	4107	90													
97	4537	54			40										
104				74			0								
109	2599	80		88		305			1MR	2					

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 19 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
19 SW0780163	NOR/2*YMH//TOB,F1/3/TF44										HR	ID# =	840183 OR8400183H		
1				90		128									
2	1812	35	34.	87		106						97	97		
3	417	64											75		
4	1767	77	38.	105		296		1MR	20MS	6					
5	3667	160	79.	105		303			5MS	4					
6						279									
9							15R	1R	50S						
14	7288	79	35.	115		153		10R			1				
19							0		10MR						
22				101		127							100		2
23				97		140						47	97		
24				79	0	158									
25				94		129									
26				105	0	129	60S			9	7	100			
27				108		117	10MS				0				
32				80											
41	3460	108		113		172			60MS		0	40	30		209
43				80		155					3				
46	2134	42		95		129									
49	2000	240		85											
51	3775	58	34.2	120		145				3			95		
54															3
55				100		179		1MS	20M						4 2
59							40S	0		0	0				
60	332	60	41.	65		199						85	70		BYDV
62				90		142									
66				117	20	163		10M	1MR	7		80			
70	3192	77				108									
72	1267	86		70		136									
76															168

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 19 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
77															
80															
81															
82	1238	100		70	0							80	80		
95	3932	69			30	127				5					
96	3202	70													
97	3645	44			30										
104				87		71	40MR							*	126
109	2244	69		85		303		10MR	5MR	1					
21	SW0791009		VPM/MOS83-11-4-8//S948-A1/4*CNO/3/ CD/P101//DRC							HR	ID# =		840207 OR8400207P		
1				110		124	25MS					98	97		
2	3479	67	53.	85	30	111							90		
3	667	103													
4	1850	81	28.	85		287	1MS	1MS	15MS	6					
5	3667	160	79.	90		296			30S	1					
6						287									
9							5R	1R	50S						
14	9412	102	39.	97		146		10R			1				
19							0	70S	70S						
22			42.6	93		114							100	*	3
23	5834	87	38.8	98		132		10S				71	65	*	
24				78	0	153									
25				94		119									
26	6944		38.5	110	10	121	25MS			9	3	100			
27	3148	95	32.8	112		112	10MR				6			*	
32				45									10		20
41	3845	120		103		162			50MS		0	50	30		203
43				85		147			99S		5				
46	4669	93		85		123									
49	600	72		68											
51	5400	83	41.	105	65	139				3			95		

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 21 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
54								30S							
55				95		177		5MS	1S						5
59							20S	0		0	0				3 2
60	321	58	47.	85		200						95	65		
62				98		148									
66				107	30	157		30S	1MR	7		85			
70	5852	141				96									
72	1600	109		80		135									
76															168
77															
80															
81															
82	1908	154		59	0							70	100		
95	1938	34			90	119				5					
96	3531	77													
97	5991	72			15										
104				82			10MR								
109	3121	96		95		293		40MS		1					

22	SW0791009	VPM/MOS83-11-4-8//S948-A1/4*CNO/3/ CD/P101//DRC	HR	ID# =	840208 OR8400208P

1				85		125	25S								
2	3545	69	54.	77	30	111						97	96		
3	667	103											95		
4	2200	96	37.	90		289	1MS		20MS	5					
5	2533	110	79.	110		296			20MS	2					
6						291									
9							5R	1R	30S						
14	7830	85	36.8	105		147									
19							0	80S	60S						
22			42.	87		117							100	*	2
23	3384	50	39.1	100		132	5R	5S				60	100	*	
24				83	15	153									

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 22 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
25				94		123									
26	7416		39.6	115	10	122	25MS			9	3	90			
27	3365	102	31.6	105	5	112	10MS				0			*	
32				35									20		
41	4844	151		104		164			20MS		0	50	30	*	203
43				85		147					5			*	
46	4468	89		90		124									
49	400	48		62											
51	7225	112	40.5	115	90	141				3			95		
54								5MS							5
55				95		180		5MS							2 2
59							30S	0		0	0				
60	546	99	31.	50		196						75	90		
62				95		159									
66				110	50	161		20S	1MR	7		80			
70	4522	109				111									
72	1067	72		70		135									168
76															
77															
80															
81															
82	1267	102		66	0							70	100		
95	2019	35			90	119				4					
96	3343	73													
97	3529	42			50										
104				82	60		0								
109	4344	133	79.9	85		297		10MR	1R	2				*	
23	SW0791009		VPM/MOS83-11-4-8//S948-A1/4*CNO/3/ CD/P101//DRC								HR	ID# =		840209 OR8400209H	
1				85		125	20S					98	98		
2	3679	71	68.	76		111							90		
3	434	67													

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 23 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
4	2083	91	36.	90		289			15MS	5					
5	4500	197	79.	105		296			40S	2					
6						288									
9							5R	1R	30S						
14	8329	90	40.7	110		146		20R	20R		1				
19							0	10S	70S						
22			44.2	92		117									
23				104		132		5S					100	*	2
24				85	5	153						69	77		
25				95		123									
26	6952		37.3	115	10	123	25MS			9	3	85			
27	3531	107	32.2	106		112	5MS				0			*	
32				35									20		
41	5152	161		105		163			20MS		0	50	30	*	204
43				80		147					5			*	
46	3268	65		95		125									
49	400	48		56											
51	5675	87	41.	110	85	140				3			95		
54								20MS							5
55				95		178		5MS	10S						2 2
59							20S	0		0	0				
60	400	72	40.	65		200						85	70		
62				100		154									
66				111	50	159		20S	5MR	7		85			
70	2660	64				98									
72	1133	77		80		133									168
76															
77															
80															
81															
82	1295	104		67	0							70	100		
95	1684	29			90	119				6					
96	3408	75													

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 23 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
97	2953	35			60										
104				80	80		0								
109	4366	134	82.2	83		296		1R		1				*	
24 SW0791009 VPM/MOS83-11-4-8//S948-A1/4*CNO/3/ CD/P101//DRC HR ID# = 840211 OR8400211P															
1				85		125	40S					100	99		
2	4092	79	39.	72		112							85		
3	567	88													
4	1633	71	36.	90		290			50MS	5					
5	1750	76	77.	90		295			20MS	2					
6						288									
9							5R	1R	70X						
14	8746	95	38.	105		147		40S	1R		1				
19							0	10S	60S						
22				90		117							100		4
23				95		132		5S				69	100		
24				76	10	153									
25				92		123									
26	7720		39.6	110	0	123	10MR			5	3	95			
27				107	5	113	10MS				0				
32				30									40		
41	4383	137		116		163			10MS		0	50	30		204
43				90		148		10MS	30MR		5				
46	3201	64		85		125									
49	700	84		74											
51	5450	84	38.9	110	90	141				3			95		
54								20MS							5
55				95		181		1S	5MS						2 2
59							30S	0		0	0				
60	506	92	40.	61		207						85	45		
62				96		153									
66				106	30	159		0	1MR	7		85			

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 24 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
70	4522	109				99									
72	1000	68		80		136									169
76															
77															
80															
81															
82	1666	134		65	0							70	90		
95	1925	34			90	119				5					
96	3592	79													
97	2515	30			60										
104				60	20		20MS								
109	2855	88		90		296				2					
25	SW0791009		VPM/MOS83-11-4-8//S948-A1/4*CNO/3/ CD/P101//DRC							HR	ID# =	840212 OR8400212H			
1	5000			90		127	25S					98	98	*	
2	4812	94	40.	82		111		20S					92		
3	667	103													
4	1466	64	34.	90		293			20MS	7					
5	2900	127	81.	90		297			10S	4					
6						282									
9							15MR	30M	70X						
14	7996	87	41.	112		150		30MR	30MR		3				
19							0	90S	70S						
22				91		120							100		4
23				105		136		10S				59	100		
24				86	0	155									
25				100		126					6				
26				120	0	124	5MR			3	5	90			
27				114		115	5M				7				
32				60					10S						10
41	5767	180		110		166			20MS		0	50	30	*	205
43				90		149			80MR		5				

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 25 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
46	3368	67		90		124									
49	1800	216		82											
51	8350	129	39.6	125	90	142				3			95		
54								20MS							5
55				90		177		30MS							2 1
59							30S	30S		0	0				
60	600	109	44.	59		200						85	40		
62				86		144									
66				111	30	159		40S	1MR	6		80			
70	4378	106	80.5			100								*	
72	1334	90		80		135									168
76															
77															
80															
81															
82	1552	125		66	0							40	100		
95	3413	60			70	122				4					
96	3503	77													
97	5754	69			5										
104				112			0								
109	4610	142	80.6	86		301		1MR		1				*	

26	SW0791009	VPM/MOS83-11-4-8//S948-A1/4*CNO/3/ CD/P101//DRC	HR	ID# =	840213 OR8400213H

1				85		127	40S					95	95		
2	4452	86	40.	90		111							88		
3	250	38													
4	1600	70	32.	90		289		5MS	20MS	6					
5	3700	162	81.	100		294			20MS	1					
6						279									
9							10R	30M	70X						
14	9829	107	42.6	115		148		40S	25MR		1				
19							0	90S	60S						

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 26 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
22				92		117							100		4
23				106		104		40S				58	100		
24				86	0	154									
25				96		122					6				
26				120	0	124	5MR			3	5	95			
27				111		113	5MR				9				
32				60					10S						
41	5613	175		108		163			20MS		0	50	30	*	205
43				85		148			60		5				
46	2734	55		80		122									
49	2150	259		88											
51	8975	139	42.6	120	90	141				3			95		
54								20MS							5
55				90		176		40S							2 1
59							20S	30S		0	3				
60	301	54	36.	72		204						85	75		
62				86		144									
66				101	30	155		40S	1MR	7		75			
70	3724	90	81.			98								*	
72	1534	104		80		132									167
76															
77															
80															
81															
82	1238	100		68	0							40	85		
95	3314	58			90	119				4					
96	3402	74													
97	3950	47			60										
104				112			0								
109	4955	152	79.9	92		296		20MS		1				*	

27 SW0791013 BEZ1/BB/KAL/ALD/3/Y50E/*3KAL//EMU/5/CD/FZ//Y/KT/3/SEL43 HR ID# = 840214 OR8400214H

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 27 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
1				80		135	10S					98	98		
2	2199	42	35.	85		112							79		
3	551	85													
4	1500	65	45.	90		296			40MS	6					
5	3100	135	81.	90		298			30S	3					
6						292									
9							20MR	10R	70X						
14	4164	45	37.6	95		153		1R	20R		1				
19							0	00	60S						
22				95		124							100		4
23				97		107		5S				85	100		
24				78	15	155									
25				85		126									
26				95	0	124	70MS			9	7	90			
27				106	20	116	0				7				
32				50											
41	4229	132		105		167			30MS		0	30	20		206
43				80		149			60		5				
46	3501	70		75		124									
49	1700	204		75											
51	3025	46	32.4	100	60	143				5			95		
54															5
55				85		179		5MS							4 2
59							50S	0		4	0				
60	399	72	42.	74		204						85	60		
62				84		145									
66				102	20	161		10MR	0	8		90			
70	2362	57	82.5			105								*	
72	1534	104		75		137									166
76															
77														*	
80														*	
81														*	

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 27 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
82	1438	116		64	5										
95	4292	75			70	125				5		50	85		
96	4001	88													
97	7003	84			5										
104				97			0								
109	3810	117	79.9	90		297			1R	0				*	
28 SW0791021 AU/JUP/5/GLL/4/JD/JB//GB/3/SX HR ID# = 840223 OR8400223P															
1				85		131	5MS					100	99		
2	4132	80	30.	100		111							80		
3	684	106													
4	900	39	32.	90		290	1MS		40MS	6					
5	5651	247	83.	95		292			30S	2					
6						263									
9							25R	1R	80X						
14	4331	47	45.7	115		148			15R		3				
19							20S	70S	80S						
22				93		117							100		5
23	5167	77	41.2	102		106		5S				70	74	*	
24				85	5	155									
25				94		124					6				
26				120	0	124	5R			9	7	85			
27				114		114	0				7				
32				70											
41	5613	175		105		164			80MS		0	40	40	*	205
43				85		149			80		5				
46	2534	51		85		124									
49	2300	277		93											
51	5525	85	36.	115	90	142				3			95		
54								20S	20S						3
55				95		177			80S						2 2
59							80S	0		0	0				

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 28 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
60	480	87	36.	82		200						85	70		
62				80		144	1R								3
66				115	30	151		5MR	1MR	6		85			
70	5054	122				98									
72	1467	100		70		135									167
76															
77															
80															
81															
82	2036	164		65	0							70	90		
95	3241	57			80	119				5					
96	3459	76													
97	4387	53			50										
104				117		66	0								
109	4599	141	81.1	92		297		1R	1R	0				*	
29 SW0791021	AU/JUP/5/GLL/4/JD/JB//GB/3/SX										HR	ID# =	840226 OR8400226H		
1				85		131						98	98		
2	2812	54	35.	100		111							85		
3	701	109													
4	833	36	26.	95		289				8					
5	4367	191	83.	105		296				2					
6						265									
9							15MR	1R	5R						
14	8829	96	40.6	127		152		20R			3				
19							0	00	5MR						
22			42.3	93		124							100		4
23	5284	79	41.2	115		107		5S				70	96	*	
24				88	10	156									
25				100		125									
26				125	10	129	00			9	3	90			
27				119		114	10MS				9				

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 29 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
32				80											
41	5998	187		95		167			70MS		0	40	40		209
43				95		151		5MS			5			*	
46	2834	57		90		125									
49	2000	240		91											
51	6550	101	39.	120	90	142				3			95		
54															3
55				90		172									3 1
59							20S	0		4	0				
60	499	90	32.	45		197						85	55		
62				78		147									
66				110	40	153		5MR	1MR	7		85			
70	4522	109				100									
72	1267	86		80		135									167
76															
77															
80															
81															
82	1566	126		69	5							50	80		
95	3537	62			50	124				4					
96	3577	78													
97	5788	70													
104				110			0								
109	3821	117	80.4	90		297			10MR	1				*	

30 SW0791034	MVR5/PVN//TAST	HR ID# = 840245 OR8400245H

1	5000			80		136						100	99	*	
2	2999	58	32.	72		117							90		
3	701	109													
4	1200	52	30.	85		290	1MR			4					
5	4767	208	81.	100		302				1					
6						293									

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 30 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
9							1R	1R	5R						
14	7205	78	41.	103		154		10R			2				
19							0	70S	10MR						
22			37.5	94		124							100		3
23				96		141	5R	5MS				64	83		
24				73	0	159									
25				95		129									
26				105	0	129	10MS			9	7	100			
27				108		114	5M				0				
32				65											
41	6152	192		100		175			0		0	40	30	*	212
43				90		156		10MS			5			*	
46	3468	69		80		128									
49	1650	198		81											
51	4625	71	40.	105	90	146				3			95		
54								20MR							3
55				90		182		60S							4 2
59							0	0		0	0				
60	500	91	43.	60		200						85	60		
62				74		149									
66				106	30	162		0	0	5		90			
70	5586	135				100									
72	1334	90		75		139									168
76															
77															
80															
81															
82	1637	132		63	0							50	80		
95	4843	85			5	122				5					
96	3812	83													
97	6541	79			5										
104				85		76	0								
109	4877	150	81.9	92		297				1				*	

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 31 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
31 SW0791034		MVR5/PVN//TAST									HR	ID# =	840248 OR8400248S		
1				80		135									
2	3532	69	30.	85		114						100	98		
3	751	116											92		
4	1633	71	34.	100		294				7					
5	3734	163	78.	110		303			10MS	2					
6				90		269		20MS	5MS					*	
9							10R	1R	5R						
14	8663	94	38.	107		151			1R		2				
19							0	50S	5MR						
22				97		124							100		3
23				105		138	5MR	5MS				54	100		
24				80	5	158									
25				90		129	S								
26				105	0	129	70S			9	3	85			
27				106		118	5S				6				
32				65											
41	4998	156		105		170			0		0	50	20	*	209
43				95		151		60MS	30MR		7				
46	2267	45		75		128									
49	2300	277		77											
51	4525	70	38.2	105	95	145				1			95		
54								10MR							4
55				90		182		1MS						*	2 1
59							20S	0		3	0				
60	566	103	43.	61		208						85	60		
62				82		149									
66				110	30	162		0	0	6		90			
70	4788	116				105									
72	1400	95		75		139									169
76															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 31 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
77															
80															
81															
82	1423	114		61	0							70	70		
95	4579	81			10	126				5					
96	3966	87													
97	5817	70													
104				82	80		0								
109	2688	82		92		302				1					
32 SW0791034		MVR5/PVN//TAST								HR	ID# =		840249 OR8400249P		
1	5000			80		135						100	99	*	
2	4465	87	37.	85		113							88		
3	734	114													
4	1717	75	32.	100		284				8					
5	3584	156	79.	100		293				2					
6				85		287		5MS	1MS					*	
9							15R	5R	5R						
14	7496	81	40.	110		150			1R		3				
19							0	30M	5MR						
22			39.7	99		115							100		3
23				101		138	5MR	5S				71	85		
24				80	0	157									
25				87		125	S								
26				110	0	129	70S			9	3	85			
27				106		111	5MS				5				
32				60											
41	5690	178		116		168			0		0	30	20	*	208
43				90		151		30MS	40MR		5				
46	3435	69		85		125									
49	1900	228		80											
51	5625	87	36.8	115	90	143				3			95		

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 32 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
54															
55				90		175		15MR 40MS						*	3
59							20S	0		5	0				2 2
60	599	109	40.	70		192						85	85		
62				75		133									
66				104	40	152		0	1MR	8		70			
70	5320	129				98									
72	1400	95		70		138									
76															170
77															
80															
81															
82	1623	131		60	0							40	95		
95	2117	37			70	119				5					
96	3781	83													
97	5625	68													
104				92		76	0							*	
109	2977	91		90		297				1					129
33 SW0791034		MVR5/PVN//TAST									HR	ID# =	840251 OR8400251S		
1				92		136	80S								
2	2892	56	32.	90		109						99	98		
3	651	101											83		
4	3800	166	38.	105		298	5MS	20MS	5MS	4					
5	4634	202	82.	115		303			20MS	1					
6						287									
9							80S	1R	70S						
14	6414	70	34.4	115		155		25R	60S		7				
19							1R	80S	80S						
22			34.4	100		125							100		2
23				110		141	40S	5S				54	100		
24				86	0	162									

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 33 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
25				100		130	S				9				
26				110	0	129	80S			9	3	75			
27				112	5	121	25S				8				
32				60				5S					10		
41	4229	132		114		174			80MS		0	30	20		208
43				105		156			99S		7				
46	3134	63		90		128									
49	1800	216		87											
51	5000	77	32.1	120	90	146				3			95		
54								80S							5
55				105		181		60S	20R						1 1
59							80S	0		0	0				
60	626	114	38.	54		207						85	40		
62				92		154									5
66				130	40	166		0	10MS	6		75			
70	3458	83				108									
72	1667	113		75		141									170
76															
77															
80															
81															
82	2135	172		66	0							70	95		
95	2617	46			70	120	70S			4					
96	3744	82													
97	3781	45			60										
104				75	90		0								
109				96		303		60MS		1					
34 SWO791034 MVR5/PVN//TAST											HR ID# =		840253 OR8400253P		
1				90		136						100	99		
2	3572	69	40.	90		108							85		
3	617	96													

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 34 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
4	2000	87	39.	105		297	1MS			4					
5	1466	64		110		303				1					
6						257									
9							5R	1R	10R						
14	5830	63	36.2	110		153		1R	15R		1				
19							0	00	5R						
22			41.1	103		126							100		1
23				105		140						51	100		
24				86	15	159									
25				97		130	MS								
26				120	0	129	20MS			9	3	80			
27				105	10	120	5MR				7				
32				50											
41	4537	142		111		174			0		0	40	20		212
43				100		155			99S		7				
46	2167	43		85		128									
49	1900	228		78											
51	3950	61	35.4	110	90	146				3			95		
54								1MR							5
55				95		183		1S							3 1
59							30S	0		0	0				
60	299	54	41.	58		203						85	45		BYDV
62				90		153									1
66				115	20	167		0	0	7		60			
70	2926	70				109									
72	1800	122		70		141									169
76															
77															
80															
81															
82	911	73		67	0							60	95		
95	2607	46			90	124				4					
96	3895	85													

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 34 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
97	4422	53			15										
104				70	50		0								
109	2921	90		96		305	5MS			1					
35 SW0791034		MVR5/PVN//TAST								HR	ID# =	840254 OR8400254P			
1	6700			85		135						100	98	*	
2	3665	71	37.	102		118							91		
3	918	142													
4	1550	67	22.	95		287		5MS		8					
5	2800	122	79.	105		301				3					
6						278									
9							10R	1R	10R						
14	5830	63	26.8	105		153			10R		2				
19							0	50M	5M						
22			33.9	96		124							100		3
23				98		140	5MS					44	100		
24				92	0	159									
25				95		128					6				
26				115	0	129	99S			9	3	100			
27	2815	85	26.8	110		118	5MS				7			*	
32				80											
41	4383	137		103		173			20MS		0	40	30		212
43				95		155			80MR		7				
46	3535	71		85		128									
49	2800	337		95											
51	6325	98	38.	110	90	144				3			95		
54															3
55				90		177		1MS							2 2
59							0	0		0	0				
60	399	72	50.	69		206						95	95	*	
62				76		149									
66				114	40	157		0	0	7		75			

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 35 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
70	5320	129				103									
72	1267	86		75		142									169
76															
77															
80															
81															
82	1082	87		68	0							60	95		
95	3446	60			90	126				4					
96	3508	77													
97	4199	50			80										
104				107		77	0							*	125
109	3910	120	76.8	90		300		1MR		2					
36	SW0791074		F134-71/JUN/3/NAD63//TMP/CI12406								HR	ID# =	840299	OR8400299P	
1	5400			80		132	25S					95	95	*	
2	2825	55	32.	94		106							85		
3	542	84													
4	5251	229	32.	95		306		1MR	15MS	5					
5	2400	105	75.	105		308			20S	1					
6						270									
9							15R	1R	90X						
14	7496	81	36.8	105		146		10R			3				
19							0	1MR	10S						
22				110		127							100		1
23				99		140	10MR					69	91		
24				73	0	159									
25				86		132	S				6				
26				100	0	129	99S			9	7	55			
27				97		122	25MS				7				
32				50											
41	2307	72		100		175			80MS		0	50	10		212
43				90		156			80MR		3				

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 36 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
46	3868	77		90		128									
49	1700	204		66											
51	6450	100	32.	110	35	145				5			95		
54								1R							4
55				100		181		5MS						*	4 1
59							70S	0		0	2				
60	234	42	35.	71		206						85	70		
62				92		163									
66				115	20	171		10MR	1MR	7		70			
70	2660	64				115									
72	1467	100		75		143									167
76															
77															
80															
81															
82	1011	81		64	0							70	95		
95	4182	73			0	128				4					
96	4368	96													
97	7136	86													
104				60			0								
109	2677	82		94		310				1					

37	SWO791114	WRM/4/FN/3*TH//K58/2*N/3/MY54/N10B//AN/TTM/6/SWM789439	HR	ID# =	840367 OR8400367H

1				75		124						93	93		
2	2905	56	34.	85		112							84		
3	667	103													
4	1400	61	27.	80		278		1MR	1MR	7					
5	2533	110	78.	90		289			10MS	4					
6						269									
9							20R	1R	80S						
14	6913	75	34.5	110		154					4				
19							20S	90S	5R						

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 37 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
22				93		113							100		5
23				96		133		10S				49	92		
24				86	0	153									
25				85		119	S				8				
26				105	0	119	99S			9	7	100			
27	3223	98	31.4	100		111	1MR				7			*	
32				65											
41	3691	115		106		163			80MS		1	40	30		205
43				90		147			80MS		7				
46	3968	79		85		122									
49	4000	481		103											
51	6325	98	38.8	105	35	139				5			95		
54								20S	10S						3
55				85		163		20MR	90S						2 2
59							20S	0		0	4				
60	267	48	34.	84		200						85	68		BYDV
62				71		139									
66				110	20	150		40S	0	8		75			
70	3670	89	83.5			89								*	
72	2067	140		80		132									163
76															
77															
80															
81															
82	1352	109		60	0										
95	3357	59			70	119				5		40	90		
96	4152	91													
97	6700	81			15										
104				87		80	20MS							*	132
109	2655	81		92		288				2					

38 SW0791149 RNA/LV13//H499-71A/JUP/3/BEZ/BT// PI178383/WA4765 HR ID# = 840376 OR8400376H

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 38 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
1	5000			85		122	5MS					90	98	*	
2	3998	78	38.	100		115		20S					83		
3	651	101													
4	1633	71	31.	100		280			1MS	7					
5	2167	94	80.	105		296				3					
6						257									
9							10R	80X	80X						
14	7080	77	35.	105		152		20R	40MR		2				
19							0	60M	5S						
22				90		120							100		
23				115		137	5R	10S				76	92		
24				92	40	157									
25				104		124					6				
26				125	0	129	5R			5	3	100			
27	2523	76	30.8	110		111	0				7			*	
32				70											
41	2537	79		107		171			60MS		0	50	30		207
43				105		153			30MS		7				
46	2467	49		85		127									
49	2500	301		94											
51	3325	51	33.2	110	65	143				3			95		
54									60S						3
55				105		172		5MS	40S						3 3
59							30S	0		0	0				
60	332	60	41.	88		199						95	80		
62				76		144									3
66				111	60	152		0	0	6		75			
70	3990	96				97									
72	1600	109		80		135									166
76															
77															
80															
81															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 38 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
82	925	74		62	0										
95	2528	44			90	119				5		10	100		
96	3721	81													
97	982	11			90										
104				90		76	20MS							*	125
109	3577	110	79.9	95		297		20MS	1R	2				*	
39	SW0791361		LFN/VOGAF/3/KAL/BB/ALD/4/RPB705-75/BUC								HR	ID# =	840492 OR8400492P		
1	6000			90		137	10MS								
2	2199	42	30.	99	20	107						100	100	*	
3	467	72											92		
4	2400	105	38.	100		301	1MS	5MS		5				*	
5	4067	178	77.	110		303			10MR	2					
6						284									
9							40MS	1R	90S						
14	5581	60	35.3	110		156		20R	40MR		1				
19							5MR	5M	30M						
22				100		126									
23	2833	42	33.3	107		141	5R					54	100	*	3
24				82	20	161							100		
25				95		129									
26				120	10	131	00			5	3	70			
27	2573	78	24.	100		121	25MS				7			*	
32				30									90		
41	2153	67		109		175			60MS		0	50	10		208
43				90		155			99S		5				
46	2134	42		85		128									
49	800	96		68											
51	4100	63	35.8	110	80	146				3			95		
54								5MR							5
55				105		183		5MS	40S					*	2 2
59							40S	0		0	3				

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 39 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
60	366	66	40.	75		201						95	85		
62				87		165									
66				116	30	167		10MR	40S	6		85			
70	2394	58				109									
72	800	54		65		145									173
76															
77															
80															
81															
82	683	55		60	0							40	95		
95	4462	78			0	128				5					
96	3522	77													
97	2984	36			60										
104				80	60		40S								
109	3544	109	74.8	100		308				1					
41 SW0791361 LFN/VOGAF/3/KAL/BB/ALD/4/RPB705-75/BUC										HR ID# =		840493 OR8400493P			
1				98		136	10S					97	97		
2	3412	66	38.	96		108							81		
3	567	88													
4	2100	91	35.	95		301	1MS			6					
5	4067	178	77.	105		303			10MR	1					
6						289									
9							20MS	1R	90S						
14	7080	77	34.	110		155		10R	30MR		1				
19							5MS	5MR	30M						
22				101		126							100		2
23	4884	73	30.9	98		141	5R					63	83	*	
24				83	5	160									
25				94		128	S								
26				105	0	129	5R			9	3	80			
27				108		120	10S				7				

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 41 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
32				20											
41	2460	77		106		175			60MS		0	50	100		
43				85		152			80MS		5		10		209
46	2934	59		80		128									
49	500	60		68											
51	4975	77	38.	115	80	145				3			95		
54															4
55				95		184		1MR	40S						
59							50S	0		0	0			*	2 2
60	333	60	40.	58		198						85	75		
62				87		162									
66				111	10	165	20S	40S	20S	5		80			
70	3192	77				109									
72	800	54		75		145									
76															173
77															
80															
81															
82	968	78		63	0							60	90		
95	4862	86			20	128				3					
96	3877	85													
97	4946	59			5										
104				73	70		40MS								
109	4077	125	75.2	88		307				1					

42	SW0791361	LFN/VOGAF/3/KAL/BB/ALD/4/RPB705-75/BUC	HR	ID# =	840494 OR8400494H

1	5500			75		134						95	95	*	
2	4438	86	31.	85		115		30S					80		
3	567	88													
4	583	25	29.	80		289				8					
5	3900	170	77.	90		296				2					
6						271									

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 42 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
9							15MR	1R	90S						
14	7663	83	33.	105		152		1R	40S		4				
19							0	70S	10MR						
22				92		121							100		3
23				86		137		5S				18	62		
24				81	50	155									
25				86		124									
26	3240		35.	100	0	129	00			9	7	95			
27	2973	90	24.3	103		113	0				8			*	
32				50			40S		1S						
41	2307	72		95		171			70MS		0	50	40		204
43				80		153			60S		7				
46	3468	69		80		124									
49	2850	343		75											
51	6600	102	38.	95	80	142				3			95		
54								10R							3
55				85		174		30S	15S						2 2
59							10S	0		0	0				
60	386	70	36.	60		207						85	50		
62				90		137									
66				98	30	157		1MR	5MR	7		70			
70	5729	138	78.5			100								*	
72	1334	90		75		135									169
76															
77															
80															
81															
82	1537	124		59	0							80	95		
95	4510	79			70	122				5					
96	3847	84													
97	2435	29			50										
104				82			40MR								
109	4144	127	77.	82		295		1MR	1R	3					

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 43 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
43 SW0791367 CLLF/PCH//P101/VOGAF/3/BUC/4/CAR/ MGP										HR	ID# =	840505 OR8400505S			
1	6900			85		134	5MS								
2	4545	88	41.	89		120						100	99	*	
3	601	93											82		
4	2483	108	36.	85		304			20MS	5					
5	3050	133	75.	100		310			10MS	1					
6						289									
9							15MR	1r	30MR						
14	7663	83	32.	100		153		20R			0				
19							1R	50S	30MR						
22				103		127							100		1
23				91		142						72	78		
24				69	10	160									
25				75		131									
26	2432		36.3	95	0	129	00			9	7	75			
27				100		119	0				8				
32				50											
41	2922	91		93		175			40MS		0	30	20		212
43				85		155			60MS		5				
46	3968	79		85		128									
49	2800	337		65											
51	5350	82	32.2	105	50	145				5			95		
54									1R						4
55				80		174		10MS	15M						2 2
59							20S	0		3	0				
60	400	72	38.	62		204						85	55		
62				93		149									
66				95	10	171		1MR	5MR	8		80			
70	3192	77				115									
72	1734	118		70		140									
76															167

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 43 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
77															
80															
81															
82	1310	105		60	0							80	90		
95	3090	54			70	129				5					
96	4654	102													
97	5123	61			40										
104				65			0								
109	3855	118	77.	90		307		1MR	1R	3					
44	SW0791367		CLLF/PCH//P101/VOGAF/3/BUC/4/CAR/ MGP							HR	ID# =		840506 OR8400506H		
1	7500			80		134						98	98	*	
2	4532	88	33.	82		119		20S					81		
3	567	88													
4	766	33	29.	85		301		5MS	1MS	6					
5	2217	97	76.	95		310			10MS	4					
6						283									
9							15MR	1R	50MS						
14	8746	95	34.2	90		147		30MR			0				
19							0	5MR	20MR						
22				95		125							100		1
23				90		137						48	96		
24				68	0	157									
25				93		129	S								
26				95	0	129	5R			9	3	95			
27				96		115	1M				7				
32				40											
41	3152	98		93		172			30MS		0	40	20		208
43				80		153		30MS	80MS		3				
46	3835	77		85		125									
49	3500	421		68											
51	5125	79	33.9	100	55	141				5			95		

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 44 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
54									5MR						4
55				85		175		60S	15MS						2 2
59							20S	0		4	0				
60	520	94	46.	78		205						95	94	*	
62				86		145									
66				105	10	167		10MR	10S	7		70			
70	3990	96				111									
72	1867	127		70		138									168
76															
77															
80															
81															
82	1694	136		63	0							80	90		
95	4150	73			70	128				4					
96	4388	96													
97	7696	93													
104				72			0								
109	4410	135	77.9	90		305		10MS	1R	3					
45	SW0791367		CLLF/PCH//P101/VOGAF/3/BUC/4/CAR/ MGP							HR	ID# =		840507 OR8400507H		
1	6700			85		134						100	100	*	
2	3825	74	48.	90		122		10MS					83		
3	751	116													
4	466	20	24.	85		301		1MS	10MS	5					
5	5217	228	82.	115		307			20S	3					
6						282									
9							10MR	60S	60S						
14	6997	76	34.	90		147					0				
19							0	50M	20MR						
22				95		125							100		1
23	4584	68	36.4	90		137	5R	5S				74	85	*	
24				64	0	157									

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 45 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
25				75		127									
26	2720		38.7	95	0	129	5R			9	3	100			
27				97		115	1MR				4				
32				50											
41	2691	84		115		172			40MS		0	40	20		207
43				80		153			60MS		3				
46	4969	100		80		125									
49	2500	301		65											
51	5500	85	28.8	95	50	142				5			95		
54								5MR							4
55				80		175		10MS	20R						2 2
59							20S	0		4	0				
60	466	84	40.	70		201						95	90		
62				88		145									
66				90	20	167		10S	5MR	7		80			
70	4256	103				111									
72	1734	118		65		138									168
76															
77															
80															
81															
82	1381	111		66	0							60	80		
95	4485	79			70	128				6					
96	4328	95													
97	7300	88													
104				60			40S								
109	4710	145	78.6	82		305		40MS	1R	2				*	
46	SW0791377		PGFN//D6301/NAI/3/ANZA/4/ALDAN/7/			SWM789637					HR	ID# =		840531 OR8400531H	
1				90		124	40S					97	97		
2	5398	105	45.	100		115							84		
3	567	88													

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 46 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
4	2000	87	40.	90		287				7					
5	3800	166	80.	115		304			10S	4					
6						257									
9							10R	40S	20MR						
14	7163	78	34.3	105		147		30MR	20R		4				
19							1R	20MR	5M						
22			37.5	90		118							100		1
23				114		134	5R	5MS				65	88		
24				99	10	155									
25				100		121									
26				125	0	129	5R			0	7	85			
27				107		111	25S				6				
32				50											
41	4614	144		112		167			60MS		0	40	30	*	205
43				100		150			80MR		5				
46	3835	77		85		122	40S								
49	1800	216		85											
51	2475	38	31.2	110	90	141				3			95		
54								40MS							3
55				100		176		5MS							3 2
59							50S	0		4	3				
60	466	84	42.	74		200						85	80		
62				100		145									
66				109	70	148		0	0	7		90			
70	4256	103				98									
72	1067	72		75		133									170
76															
77															
80															
81															
82	825	66		67	0							60	90		
95	2737	48			90	119				5					
96	4076	89													

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 46 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
97	535	6			90										
104				65		67	60S								
109	3788	116	77.	92		296		1MR		2					
47 SW0791377 PGFN//D6301/NAI/3/ANZA/4/ALDAN/7/ SWM789637 HR ID# = 840533 OR8400533H															
1				90		125	10S					95	95		
2	6265	122	40.	92		114							83		
3	651	101													
4	466	20	24.	75		283				7					
5	3934	172	80.	100		292				5					
6						257									
9							10R	1R	5R						
14	6663	72	35.5	110		146		20R			2				
19							0		00						
22				88		118							100		5
23				107		136	5R					63	91		
24				93	50	156									
25				85		120									
26	3520		39.2	105	0	121	5R			0	3	95			
27				102		109	10S				6				
32				65											
41	4614	144		115		168			0		0	40	30	*	205
43				100		150			40MR		7				
46	4302	86		90		122	20S								
49	2300	277		85											
51	4300	66	35.8	100	90	141				9			95		
54															3
55				90		168		5MS							3 2
59							30S	0		4	0				
60	567	103	44.	83		202						85	75		
62				79		145									
66				102	50	148		0	1MR	7		90			

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 47 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
70	3724	90				98									
72	1400	95		75		135									
76															170
77															
80															
81															
82	1053	85		65	0										
95	1965	34			90	119				5		80	90		
96	4007	88													
97	2208	26			70										
104				65		67	0							*	125
109				78		298				2					
48 SWM790616		RMNF59-71/SNB									HR	ID# =	840603 OR8400603H		
1				92		129	40S								
2	6731	131	33.	91		121						100	100		
3	417	64											90		
4	2000	87	40.	100		299	1MS			6					
5	3334	145	83.	110		301			20MS	1					
6						303									
9							5R	1R	5R						
14	6414	70	37.	112		154		20R	45MS		4				
19							0	00	10S						
22			40.1	105		124							100		1
23				108		138	5R	5MS				20	25		
24				83	20	159									
25				95		129					6				
26				120	0	129	5R			9	3	75			
27				108	60	120	10MS				8				
32				20									95		
41	3921	122		116		172			0		1	40	10		208
43				90		153			80S		5				

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 48 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
46	3201	64		90		128	10S								
49	600	72		68											
51	6450	100	41.6	115	80	146				3			95		
54								5MS	5MS						5
55				110		190			80S						2 1
59							50S	0		3	0				
60	600	109	51.	84		202						95	95	*	
62				104		173									
66				120	30	169		0	1MR	5		75			
70	3458	83				109									
72	1200	81		65		148									173
76															
77															
80															
81															
82	1253	101		66	0							60	95		
95	3840	67			80	127				4					
96	4591	101													
97	6787	82			5										
104				55	90		0								
109				100		309		20MR	10MS	0					

49	SWM790664	NS738/4/BB//TOB/CNO/3/HUAC	HR	ID# =	840611 OR8400611P

1				95		128	40S					100	99		
2	4665	91	47.	91		119							91		
3	601	93													
4	1083	47	33.	95		289				7					
5	1967	86	79.	115		299			10MS	2					
6						258									
9							40S	1R	90S						
14	6080	66	35.7	112		150		30MR			4				
19							1R	90S	60S						

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 49 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
22				95		119							100		3
23				110		137		5MS				72	71		
24				84	40	157									
25				98		124	S								
26				120	0	120	5R			9	3	75			
27				113		115	5X				8				
32				50											
41	2307	72		114		169			60MS		0	50	30		204
43				95		151			80S		3				
46	3001	60		85		128									
49	1700	204		99											
51	4775	74	41.2	115	70	143				3			95		
54									10S						3
55				105		181		1R	80S						3 2
59							40S	0		0	0				
60	412	75	31.	80		199						75	45		BYDV
62				91		135									
66				113	30	154		0	0	5		75			
70	3458	83				100									
72	1400	95		70		136									
76															172
77															
80															
81															
82	1808	145		68	0										
95	3425	60			80	119				6		95	90		
96	3821	84													
97	4482	54			30										
104				60		84	0								
109	3588	110	80.4	98		293		10MR		1				*	

50 SWM790732 RBS/KZM,F1/4/F1-T//62A/4793-7/3/CC /INIA//CAL/5/SIS HR ID# = 840677 OR8400677H

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 50 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
1				95		126						100	100		
2	4772	93	34.	86		117	20S	20S					95		
3	751	116													
4	1550	67	30.	95		293		1MS		6					
5	833	36		105		294			20MS	1					
6						259									
9							50S		90S						
14	6330	69	33.	110		149			10R		7				
19							1R	5MR	5M						
22				95		119							100		2
23				105		137		10S				63	98		
24				85	50	156									
25				95		124					6				
26	8656		39.3	120	10	129	5R			7	3	90			
27				103	90	115	0				8				
32				40											
41	5767	180		113		168			30MS		3	30	30	*	205
43				90		151			60MR		5				
46	3335	67		90		128									
49	2150	259		89											
51	3800	58	34.8	110	80	143				3			95		
54								40S	20S						3
55				105		171		5MS	40S						2 2
59							70S	0		0	3				
60	399	72	36.	78		200						75	45		
62				69		139									
66				111	20	153		1MR	0	6		80			
70	4256	103				98									
72	1534	104		75		138									171
76															
77															
80															
81															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 50 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
82	1224	98		69	5										
95	3128	55			90	124				4		90	80		
96	3537	77													
97	2168	26			70										
104				57		77	20S							*	125
109	2488	76		96		293		10MR		3					
51	WWI790033		AN//SN/SS2/3/TOB/6720								HR	ID# =	842038 OR8402038P		
1	7300			95		129	5S					100	99	*	
2	3799	74	38.	100		120							83		
3	601	93													
4	2733	119	35.	100		295				7					
5	5267	230	81.	120		302			10MS	2					
6						269									
9							30MR	30X	50MS						
14	6455	70	32.7	110		153			15R		4				
19							0	00	10M						
22				89		124							100		1
23				113		138	10R					60	100		
24				82	10	157									
25				98		126					8				
26				70	0	120	5R			9	5	95			
27				102		118	60MS				8				
32				70					10S						
41	2537	79		120		173			70MS		2	40	10		207
43				95		153			80MS		7				
46	4135	83		85		125									
49	1000	120		93											
51	5150	79	31.6	115	60	143				3			95		
54								30MS							3
55				95		169		60S							3 2
59							50S	0		0	0				

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 51 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
60	566	103	40.	65		203	5MS					75	40		
62				87		136									
66				111	30	155		0	1MR	5		75			
70	4788	116				103									
72	1133	77		65		141									170
76															
77															
80															
81															
82	1238	100		65	0							90	95		
95	5313	93			5	124				5					
96	3800	83													
97	4273	51			40										
104				60		82	60S							*	125
109	3732	115	77.	97		297				2					
52 SWM801153		SAVA/NAC									HR	ID# =	842398 OR8402398H		
1				90		129						100	100		
2	5598	109	35.	99		112							82		
3	901	140													
4	933	40	29.	90		284				6					
5	3817	167	80.	100		291				2					
6						252									
9							25R	1R	10R						
14	7830	85	40.7	120		148		10R			3				
19							0		1S						
22				97		118							100		3
23				114		137	5R					81	80		
24				89	30	157									
25				104		124									
26	5440		35.7	130	0	128	5R			9	5	90			
27				115		110	5MR				6				

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 52 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
32				70											
41	5229	163		100		166			30MS		0	40	30	*	207
43				90		151			60MS		7				
46	3668	73		85		125									
49	2700	325		102											
51	5225	81	39.6	125	15	141				3			95		
54								10MS							2
55				85		163		5MR	60S						3 2
59							50S	0		0	0				
60	599	109	48.	90		205						85	85	*	
62				70		137									3
66				112	40	148		0	1MR	7		80			
70	3458	83				98									
72	1334	90		85		136									167
76															
77															
80															
81															
82	1381	111		62	0							90	60		
95	3546	62			30	120				6					
96	3735	82													
97	5906	71													
104				67		85	40MR							*	120
109				100		289				3					
53 SWM801215 APF S /PEW S											HR ID# = 842487 OR8402487H				
1				85		129						98	98		
2	4732	92	27.	85		114							90		
3	918	142													
4	750	32	21.	90		287			1MS	8					
5	3734	163	76.	100		296				4					
6						255									

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 53 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
9							10R	40X	10R						
14	5830	63	30.	100		152		10R			4				
19							0		1R						
22															
23				98		139	5R					17	100		
24				80	0	154									
25				85		123					6				
26				100	0	129	99S			9	3	55			
27				94		114	0				6				
32				60											
41	4075	127		90		168			0		0	40	30		205
43				80		153					7				
46	3868	77		85		125									
49	4000	481		77											
51	5200	80	36.	105		142				5			95		
54								1R							3
55				85		166		1MR	10R						3 2
59							20S	0		3	3				
60	533	97	40.	72		201						85	80		
62				70		134	5R								
66				106	20	153		0	1MR	8		85			
70	3537	85	77.5			99								*	
72	1133	77		65		136									168
76														*	
77														*	
80															
81														*	
82	982	79		59	0							60	80		
95	4358	77			70	126				5					
96	4725	103													
97	7532	91													
104				72		77	0							*	128
109	2210	68		93		293		5MR	1R	2					

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 54 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
54 SWM801217	WRM/4/FN/TH*3//K58/N*2/3/MY54/N10B//ANS/5/PEL72380/ATR HR ID# = 842488 OR8402488H														
1				80		131									
2	4105	80	54.	77		114	20S	30S				97	96		
3	901	140											95		
4	1066	46	44.	85		299			1MS	5					
5	3150	137	70.	90		302			40S	2					
6						282									
9							10R	1R	70X						
14	4164	45	33.6	87		156			10R		2				
19							0	50S	20M						
22				98		126									
23				90		141	5MR	5S					100		2
24				73	0	160						58	88		
25				76		129					6				
26				85	0	129	5R			9	3	80			
27				91		120	1R				6				
32				60											
41	2076	65		85		172			30MS		3	30	30		208
43				80		155			60MS		7				
46	3001	60		80		128									
49	2500	301		65											
51	4850	75	34.6	100		145				3			95		
54								20S							4/5
55				85		182		30S							1 2
59							30S	40S		3	4				
60	552	100	45.	78		200						95	92	*	
62				76		143									
66				97	20	164		5MR	5MR	7		75			
70	2660	64				105									
72	1534	104		60		143									
76															174

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 54 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
77														*	
80														*	
81														*	
82	1053	85		60	0							90	70		
95	4500	79			40	128				4					
96	4036	88													
97	5256	63													
104				76			40MS								
109	2377	73		83		299		1MR		2					
55	SWM801555		SHS/CI12703//SSN27/3/BUC S								HR	ID# =	842786 OR8402786H		
1				75		125						100	99		
2	4812	94	37.	75		113	10MS	20S					75		
3	1001	155													
4	716	31	31.	85		288	1MS			8					
5	4467	195	80.	95		294			10MS	4					
6						283									
9							1R	1R	90S						
14	6289	68	33.6	92		152		30MR	40S		4				
19							0	80S	70S						
22			31.5	90		118							100		5
23				85		134	10S					48	81		
24				77	0	154									
25				80		123					6				
26	5120		36.4	95	0	120	5R			9	5	90			
27				102		111	0				6				
32				50									50		
41	2691	84		87		165			80MS		3	40	40		202
43				75		150			60S		5				
46	4235	85		80		122									
49	2700	325		66											
51	5300	82	37.5	105	30	141				3			95		

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 55 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
54															
55								80S							
59				85		177		10S							4
60	566	103	39.	68		195	10S	0		0	4			*	2 2
62				80		131						85	90		
66				99	20	147		0	0	7		75			
70	5250	127	81.5			101									
72	1000	68		60		138								*	
76															170
77															
80															
81															
82	996	80		56	0										
95	3425	60			70	119				7		90	60		
96	4242	93													
97	8426	101													
104				97		80	40S								
109	3066	94		85		289		1R		3					
56	SWM801555		SHS/CI12703//SSN27/3/BUC S								HR	ID# =	842792 OR8402792H		
1	4500			75		124									
2	5265	102	40.	73		113	10MS	10MS				98	98	*	
3	1060	164											79		
4	766	33	23.	80		286				8					
5	2283	100	79.	90		294			10MS	3					
6						287									
9							1R	1R	90S						
14	6330	69	30.5	95		153					6				
19							1R	10M	30S						
22				92		119							100		4
23	833	12	31.7	89		134	5S					58	90	*	
24				76	0	154									

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 56 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
25				82		124					6				
26				95	0	120	99S			9	5	100			
27	3307	100	28.8	100		111	0				6			*	
32				65			20S								
41	4460	139		90		166			70MS		3	40	40		206
43				65		152			60S		5				
46	4268	85		80		122									
49	3100	373		64											
51	5400	83	31.4	100	80	141				3			95		
54															4
55				90		169		15S							2 2
59							10S	0		0	4				
60	373	67	38.	64		200						85	85		
62				74		138									
66				105	20	151		0	0	8		85			
70	4048	98	81.			98								*	
72	1400	95		65		138									168
76														*	
77														*	
80															
81														*	
82	1167	94		54	0							80	80		
95	3969	70			70	119				5					
96	4124	90													
97	7635	92													
104				90			20MS								
109	3155	97	75.	85		289				2					

57 SW0791096	SU92/CI13465//PGFN/3/PHO/4/YMH/TOB//BEZ	SW ID# = 840353 OR8400353P

1				45		126						98	98		
2	4398	85	45.	83		119							80		
3	784	122													

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 57 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
4	1533	67	33.	95		290			1MS	6					
5	4167	182	79.	100		301			10MS	1					
6						282									
9															
14	4664	50	29.7	107			5R	1R	15R						
19						154					5				
22							0	5M	5MR						
23			26.1	97		124									
24				98		140		10MR					100		4
25				77	0	156						64	98		
26				84		125					6				
27	2782	84	24.1	100	0	122	99S			9	3	85			
32				100		115	10S				6			*	
41	3691	115		75			20S								
43				94		172			0		0	40	40		207
46	3068	61		80		151			60MR		7				
49	2850	343		80		122									
51	4600	71	31.6	85											
54				105	75	144				3			95		
55								30S							4
59				95		180		5MR							2 2
60	652	118	49.	85			50S	0		4	0				
62				75		199						95	90	*	
66				110		144									
70					20	160		0	0	6		90			
72	1734	118		65		102									
76						142									168
77															
80															
81															
82	1039	83		58	0							85	85		
95	3548	62			80	120				5					
96	5052	111													

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 57 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
97	4012	48			50										
104				67			20MS								
109						300	40MS	60S		1					
58 SW0791253 YT54/N10B//NAR/3/HYS/4/KVZ/CNO/CHR//ON/5/ARIC232-69/ SW ID# = 840416 OR8400416P															
1				100		124						100	98		
2	5238	102	35.	107		114							81		
3	1152	179													
4	1133	49	19.	90		279				8					
5	4984	218	81.	115		290				4					
6						253									
9							10R	1R	90X						
14	8080	88	35.	115		148		50S			3				
19							0	00	00						
22			35.6	90		116							100	*	3
23				105		134		5MR				74	41		
24				97	0	156									
25				98		119									
26				130	10	131	5R			9	3	100			
27	3073	93	24.8	120		108	10S				6			*	
32				85											
41	2922	91		121		168			0		0	50	30		208
43				90		152		1MS	80MR		5				
46	4402	88		90		124									
49	4000	481		105											
51	3400	52	31.6	115	60	141				3			95		
54															2
55				95		163									3 2
59							40S	0		3	0				
60	599	109	41.	76		204						95	70		
62				77		132									5
66				103	50	141		0	1MR	7		75			

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 58 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
70	3585	86	77.5			102								*	
72	1667	113		95		133									167
76															
77															
80															
81															
82	1053	85		64	0										
95	3423	60			90	117				5		75	80		
96	3479	76													
97	799	9			90										
104				100		85	0							*	125
109	1866	57		93		292			5MR	2					
59	SW0791253		YT54/N10B//NAR/3/HYS/4/KVZ/CNO/CHR//ON/5/ARIC232-69/							SW ID# =		840427 OR8400427H			
1				100		127									
2	4932	96	46.	97		115						100	100		
3	701	109											88		
4	1200	52	23.	95		289				9					
5	4867	213	81.	115		296			5MS	4					
6				85		258		5MS	1MS					*	
9							5R	1R	5R						
14	5830	63	38.3	127		154		15R			6				
19							0	00	00						
22			38.3	96		121							100	*	3
23	6217	93	34.4	114		137		5R				57	93	*	
24				99	30	156									
25				107		125									
26				129	20	131	99S			9	3	100			
27	3906	119	31.4	119		114	5S				6			*	
32				80											
41	5075	159		117		170			0		0	30	20	*	209
43				95		152		30MS	40MR		7				

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 59 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
46	4268	85		95		125									
49	2900	349		96											
51	7575	117	38.6	125	80	144				3			85		
54								10MR							3
55				90		168									3 2
59							30S	0		4	0				
60	334	60	40.	60		204						85	75		
62				73		139									
66				100	50	156		0	0	7		80			
70	4256	103				101									
72	1534	104		90		135									166
76															
77															
80															
81															
82	925	74		68	0							90	75		
95	2325	41			90	122				5					
96	2071	45													
97	1128	13			80										
104				110			0								
109	2333	71		90		295				2					
61 SW0791265 YMH/HYS//HYS/TUR3055/3/DGA/4/VPM/ MOS SW ID# = 840464 OR8400464P															
1	6400			85		135	5MS					98	98	*	
2	6211	121	35.	74		115	10MS	10MS					91		
3	918	142													
4	2083	91	32.	85		294			70S	4					
5	4517	197	76.	95		300			30S	1					
6						276									
9							10R	1R	30MS						
14	9746	106	37.5	100		152		20R			0				
19							0	00	80S						

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 61 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
22				98		125							100		2
23				87		138		5S				55	80		
24				76	2	159									
25				84		132									
26	6720		38.8	110	0	129	5R			9	1	90			
27				93		119	5MR				0				
32				50									10		
41	4921	154		92		174			40MS		0	30	20	*	212
43				75		157		10MS			5				
46	5336	107		85		125									
49	3000	361		72											
51	8050	124	41.6	105		145				3			80		
54															5
55				85		181									2 2
59							10S	0		0	0			*	
60	254	46	38.	62		200						85	45		
62				77		153									
66				104	20	163		1MR	0	4		75			
70	5320	129				108									
72	1667	113		65		143									
76															173
77															
80															
81															
82	1523	122		55	0							90	90		
95	6031	106			0	128				6					
96	4802	105													
97	8714	105													
104				65			0								
109				90		302			30MS	1					

62 SWO791265 YMH/HYS//HYS/TUR3055/3/DGA/4/VPM/ MOS SW ID# = 840465 OR8400465H

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 62 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
1				85		130						100	98		
2	4198	82	43.	78		120							93		
3	818	127													
4	1366	59	30.	75		295			70S	4					
5	4334	189	76.	95		299			20MS	1					
6						274									
9							5R	1R	60X						
14	7663	83	33.3	93		156		5R	5R		0				
19							0	1MR	80S						
22				94		124							100		3
23				83		138		5MR				66	96		
24				68	0	160									
25				82		128									
26	2560		36.7	95	0	122	5R			9	3	95			
27	2548	77	25.7	96		119	0				0			*	
32				35									70		
41	4921	154		100		172			30MS		0	50	20	*	209
43				75		156		10MS			7				
46	5002	100		90		125									
49	2550	307		69											
51	6075	94	36.2	105		144				3			95		
54															5
55				90		182		5MS							1 1
59							10S	0		0	0				
60	266	48	41.	62		209						85	50		
62				73		156									
66				101	10	165		0	1MR	5		70			
70	4788	116				107									
72	800	54		60		143									172
76															
77															
80															
81															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 62 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
82	1253	101		54	0										
95	5292	93			0	128				5		85	95		
96	4436	97													
97	6710	81													
104				65			0								
109				85		300			20MR	1					
63 SW0791370 CTFN/NAI//ANZA/3/PVN/4/TJB788-1089/ PVN SW ID# = 840511 OR8400511S															
1	5500			85		131	25MS					100	98	*	
2	6011	117	41.	82		114							95		
3	759	118													
4	950	41	34.	85		290				6					
5	7034	308	78.	95		296			20MS	2					
6						279									
9							10R	1R	10R						
14	7496	81	34.	90		148		20R	1R		1				
19							0	60S	10S						
22				91		117							100		5
23				90		137		5MR				69	80		
24				73	0	154									
25				85		125	S								
26				95	0	129	99S			9	3	100			
27	2865	87	30.	98		115	1MR				0			*	
32				50									10		20
41	4614	144		95		165			0		0	30	20		208
43				75		152		10MR	40MR		7				
46	4602	92		85		124									
49	2300	277		77											
51	6975	108	37.2	100	25	141				3			95		
54								5MR							5
55				90		177		5MS							2 2
59							50S	0		0	0				

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 63 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
60	626	113	41.	70		208						85	65		
62				83		150									
66				104	20	157		1MR	0	7		80		*	
70	5447	132	78.			101								*	
72	1534	104		65		136									169
76														*	
77														*	
80															
81														*	
82	1509	121		56	15							90	80		
95	4507	79			70	126				4					
96	4136	91													
97	7684	92													
104				70			0								
109	3699	114		93		296				1					
64 SWO791370 CTFN/NAI//ANZA/3/PVN/4/TJB788-1089/ PVN												SW ID# =		840513 OR8400513H	
1	6500			85		130						100	100	*	
2	5025	98	33.	93		113							82		
3	851	132													
4	1300	56	32.	85		291				6					
5	4967	217	80.	95		296			20MS	1					
6						279									
9							10R	1R	10R						
14	7913	86	32.8	100		147		20R			2				
19							0	60S	20M						
22				93		117							100		5
23				89		137	5R					38	82		
24				77	0	156									
25				85		124									
26				95	0	125	99S			9	5	100			
27	3865	117	32.1	100		114	1R				0			*	

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 64 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
32				50											
41	4383	137		98		164			0		0	40	5		10
43				75		150		10MS	60MR		7		30		205
46	6836	137		90		122									
49	2700	325		80											
51	5875	91	36.	105	80	141				3			95		
54								10MS							
55				95		176		1R							5
59							20S	0		0	2				2 2
60	632	115	51.	88		205						95	93	*	
62				86		148									
66				102	30	157		1MR	0	7		75			
70	4149	100	82.			100								*	
72	1200	81		70		136									170
76														*	
77														*	
80															
81														*	
82	1395	112		55	25							95	80		
95	4307	76			80	126				5					
96	4015	88													
97	6910	83			5										
104				80			0								
109	5177	159	79.9	98		295		1R		2					
65 SWM790490			AMD/MAYA74/SPRW//SAP										SW ID# = 840561 OR8400561H		
1				75		124						100	100		
2	4305	84	35.	82		111							93		
3	801	124													
4	1166	51	26.	80		279		1MS		6					
5	4200	183	79.	95		290				2					
6						256									

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 65 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
9							15R	1R	70X						
14	5830	63	29.5	103		147					5				
19							0	00	1R						
22			32.6	88		113							100		3
23				93		134	5R					61	92		
24				86	0	153									
25				85		117									
26				95	0	124	99S			9	3	100			
27	2615	79	26.4	93		107	1R				0			*	
32				70											
41	3998	125		96		163			80MS		0	40	40		204
43				80		151			80MS		7				
46	6203	124		85		116									
49	4300	518		84											
51	4425	68	29.6	100	25	138				5			95		
54								10MS							2
55				75		160		5MR							2 1
59							20S	0		3	0				
60	386	70	42.	77		201						85	70		
62				70		144									
66				99	30	141		1MR	0	8		85			
70	4208	102	79.5			88								*	
72	1334	90		70		133									169
76															
77															
80															
81															
82	1666	134		58	0							80	85		
95	4089	72			70	117				5					
96	4454	98													
97	8299	100													
104				98		83	20MR							*	125
109	3488	107	77.7	92		289				3					

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 66 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
66 SWM790512 VPM/MOS3-11-4-8//NAC76										SW ID# = 840566 OR8400566P					
1				92		127						100	100		
2	6398	125	47.	110		115							98		
3	768	119													
4	1133	49	40.	95		294	1MS	1MS	50MS	3					
5	6984	305	80.	110		300			20S	1					
6						269									
9							5R	50X	80X						
14	6414	70	40.	110		152		10R	1R		6				
19							0	50S	20S						
22				92		119									
23				108		138		5S					100		2
24				87	0	156						65	92		
25				103		125					8				
26	7040		37.8	120	0	123	5R			9	9	100			
27	3298	100	31.	102		113	0				9			*	
32				70											
41	4152	130		109		168			10MS		5	40	30		209
43				85		154					7				
46	5602	112		95		120									
49	3400	409		93											
51	6500	100	40.	120	70	142				3			95		
54								80S							3
55				85		177									2 2
59							10S	0		0	5				
60	233	42	35.	60		203	5MR					75	45		
62				78		146									3
66				108	30	157		1MR	0	7		90			
70	6118	148				101									
72	1667	113		80		138									172
76															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 66 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
77															
80															
81															
82	1167	94		68	0							80	70		
95	4087	72			60	122				4					
96	3864	85													
97	6947	84			25										
104				112		76	0							*	125
109	5466	168	80.8	102		297		1R	1R	1				*	
67 SWM790673 TOB66/6720//YD										SW ID# =		840632 OR8400632H			
1	7600			95		127	20MS					100	100	*	
2	3825	74	44.	100		116							75		
3	500	77													
4	1950	85	46.	105		297			50MS	4					
5	3183	139	79.	115		301			20MS	2					
6						271									
9							20MR	1R	60X						
14	6414	70	38.5	125		155					2				
19							0	30S	30S						
22				91		118							100		4
23				106		138	5R					60	85		
24				93	5	156									
25				105		126					8				
26				125	0	122	5R			9	9	100			
27	2132	64	31.2	107		114	40M				6			*	
32				60											
41	3845	120		108		168			60MS		2	30	20		208
43				95		156			80MS		7				
46	4002	80		95		124									
49	1850	222		81											
51	5600	86	37.	120	70	142				3			95		

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 67 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
54								80S							
55				95		180		5MS	15R						4
59							50S	0		0	0				3 2
60	399	72	36.	75		205	10MS					75	35		
62				91		144									
66				110	30	159		1MR	0	6		90			
70	4788	116				101									
72	1133	77		70		139									
76															172
77															
80															
81															
82	1580	127		64	0							80	95		
95	2591	45			70	126				6					
96	3861	84													
97	4405	53			30										
104				110		81	0								
109	3966	122		108		297			1R	1					
68	SWM790674		TOB66/6720//TRM73								SW ID# =		840644 OR8400644H		
1				110		135	10S					45	95		
2	5265	102	45.	120		121							73		
3	768	119													
4	1783	78	36.	105		310				6					
5	850	37		125		310			10MS	3					
6						292									
9							30MR	1R	5R						
14	5997	65	35.	120		152			20R		6				
19							0	10M	10MR						
22				108		127							100		1
23				125		145	5R					46	100		
24				87	0	162									

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 68 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
25				105		134									
26				130	0	132	5R			9	9	100			
27				115		121	5R				6				
32				80											40
41	4152	130		122		177			0		0	30	10		213
43				100		156			20MR		7				
46	4268	85		105		127									
49	2800	337		76											
51	4175	64	35.	125	20	145				5			95		
54															4/5
55				100		178									3 2
59							60S	0		0	0				
60	480	87	43.	58		205						75	30		
62				102		153									3
66				114	30	172		0	1MR	5		90			
70	3458	83				115									
72	1000	68		70		145									173
76															
77															
80															
81															
82	939	75		65	0							85	85		
95	3577	63				133				5					
96	3881	85													
97	4955	59													
104				90			20S								
109	2066	63		110		308				1					
69 SWM790677 7C/CNO//CAL/3/PEW											SW ID# =		840645 OR8400645H		
1	6200			95		127	55S					100	100	*	
2	3585	70	40.	99		112							90		
3	768	119													

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 69 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
4	883	38	34.	90		293			1MS	5					
5	2883	126	78.	110		297			20S	3					
6						281									
9							5R	1R	80X						
14	8746	95	37.7	115		147		30MR	1R		2				
19							50MR	10S	40S						
22				90		116							100		5
23				107		137	5R	5S				71	83		
24															
25				100		124									
26				120	0	129	70S			9	9	95			
27				108		112	10S				6				
32				60											20
41	4844	151		115		165			40MS		0	30	30	*	208
43				100		151			99S		7				
46	4735	95		95		118									
49	2300	277		85											
51	2150	33	38.4	125	10	140				1			95		
54								1R							4/5
55				95		174		1MR	40S						2 2
59							60S	0		0	0				
60	400	72	50.	76		198						85	94	*	
62				106		145	1R								
66				108	50	154		0	1MR	6		85			
70	3489	84	81.5			98								*	
72	1067	72		75		139									168
76															
77															
80															
81															
82	2164	174		66	0							95	90		
95	2949	52			90	119				4					
96	3431	75													

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 69 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
97	6174	74			15										
104				114			20MR								
109	2677	82		100		295	10MR			1					
70 SWM790730 AU/3/MINN//HK/38MA/4/YMH/ERA/5/DGA SW ID# = 840674 OR8400674H															
1				105		136						95	95		
2	3932	76	37.	90		116							85		
3	592	92													
4	1533	67	34.	95		294			1MS	4					
5	1450	63		95		298			30S	2					
6						268									
9							10R	1R	5R						
14	5830	63	34.3	110		152					3				
19							0	00	5R						
22				93		121							100		5
23				98		138						62	94		
24				81	5	159									
25				95		130									
26				95	0	129	99S			9	9	90			
27				105		114	0				4				
32				50											
41	3460	108		112		174			0		0	20	20		208
43				95		156		10MR			3				
46	3468	69		85		125									
49	2700	325		85											
51	4050	62	31.	120		143				3			95		
54								10MR							3
55				95		182		1MS							3 2
59							10S	0		4	0				
60	366	66	38.	70		204						85	80		
62				88		141									
66				120	20	155		1MR	0	6		80			

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 70 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
70	4788	116				105									
72	1000	68		60		143									171
76															
77															
80															
81															
82	1352	109		63	0							60	100		
95	3414	60			70	126				5					
96	3457	76													
97	4708	56													
104				87		82	0								
109	4166	128	82.6	97		301		5MR	1R	1					
71	OWW790066		C182-27-058/3/YMH/P101//69-148/YMH							SW	ID# =		841237 OR8401237H		
1	8000			95		136						100	100	*	
2	4932	96	27.	98		120							83		
3	567	88													
4	3167	138	38.	95		297		5MS	40MS	4					
5	4934	216	76.	105		307			10MR	1					
6						282									
9							10R	40S	70S						
14	6497	70	28.	110		156		10R	1R		2				
19							0	50S	50S						
22															
23				97		147	10R	10S				67	90		
24				75	0	161									
25				92		134									
26				105	0	129	99S			9	9	100			
27				102		120	5M				6				
32				50											
41	4460	139		108		175			60MS		0	30	20		209
43				85		157			80MS		7				

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 71 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
46	4902	98		90		125									
49	3000	361		72											
51	4575	70	34.2	105		144				3			95		
54								60S							4/5
55				90		185		50MS						*	3 2
59							30S	0		3	0				
60	334	60	40.	68		200						85	90		
62				82		153									
66				115	20	165		40S	1MR	6		90			
70	4788	116				109									
72	1200	81		65		140									172
76															
77															
80															
81															
82	1381	111		58	0							85	100		
95	4021	71			70	127				4					
96	3914	86													
97	4742	57			50										
104				56			0								
109				96		304		60S	20MS	1					

72	SWM801489	PIN39/PEW S								SW	ID# =	842712 OR8402712H			
1	3200			75		125						100	100	*	
2	4105	80	39.	74		114							83		
3	935	145													
4	1200	52	24.	80		289				8					
5	1416	62		80		296			10MR	3					
6						269									
9							20R	1R	80S						
14	6330	69	31.2	95		148					3				
19							0	00	1S						

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 72 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
22				87		118							100		5
23				89		137	5R					71	70		
24				69	0	154									
25				85		124									
26				100	0	129	5R			9	9	90			
27				96		112	1M				6				
32				80					1S						
41	3998	125		96		168			10MS		0	30	40		208
43				85		150		5MR	60MS		7				
46	4468	89		75		122									
49	3000	361		73											
51	4675	72	35.8	90		141				5			95		
54								5MR							4
55				70		160			15MS						3 3
59							20S	0		3	0				
60	332	60	40.	60		199						85	85		
62				69		146									
66				100	10	153		0	0	7		80			
70	2713	65	75.			98									
72	1400	95		65		140									171
76															
77															
80															
81															
82	1039	83		54	5							85	90		
95	3322	58			80	122				4					
96	4673	102													
97	7818	94													
104				70			20R								
109	2599	80		78		293		1R		3					

73 SWM801489 PIN39/PEW S SW ID# = 842716 OR8402716H

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 73 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
1	4500			75		124						95	95	*	
2	4732	92	39.	79		113							83		
3	834	129													
4	350	15	20.	80		288			10MS	9					
5	1200	52		75		291			10MS	3					
6						255									
9							20R	1R	70S						
14	5830	63	32.3	95		148			10R		2				
19							0	5M	5MR						
22				85		118							100		5
23				87		137						43	100		
24				68	0	154									
25				85		123									
26				95	0	129	5R			7	9	95			
27				98		112	1MS				6				
32				75				1S							
41	4075	127		90		168			20MS		0	30	40		208
43				80		151			40MS		5				
46	3535	71		75		122									
49	2400	289		74											
51	4350	67	36.8	90		141				5			95		
54									10MR						3
55				70		160			15MS						3 2
59							30S	0		0	0				
60	321	58	41.	84		197						85	70		
62				70		148									
66				105	10	142		20S	0	7		80			
70	2952	71	71.5			91									
72	1400	95		70		137									171
76														*	
77														*	
80															
81														*	

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 73 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
82	783	63		51	0							50	85		
95	3975	70			70	120				6					
96	4494	98													
97	7829	94													
104				60		62	0							*	125
109	2688	82		93		296				3					
74	SWM789173		RDL/DRC//PVN										HW ID# = 840086 OR8400086H		
1	7700			95		129						96	95	*	
2	6278	122	39.	102		120	10MS	20S					92		
3	751	116													
4	2433	106	38.	105		311	1MS			6					
5	1800	78	77.	105		310			20S	1					
6						289									
9							50MS	1R	90S						
14	8163	89	36.	110		154		10R	60S		4				
19							OR	1MR	20S						
22				109		127							100		1
23				111		144		5S				66	100		
24				84	5	162									
25				100		134	MS								
26				125	0	133	00			3	9	90			
27				112	70	122	10S				6				
32				65					5S				5		
41	3076	96		115		177			60MS		0	30	20		213
43				85		156			80S		7				
46	5436	109		100		128									
49	1800	216		77											
51	5875	91	40.7	110	5	145				3			95		
54								10MS							4/5
55				105		181		5MS	40S						2 2
59							70S	0		0	0				

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 74 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
60	266	48	39.	74		200						85	65		
62				93		163	10R								
66				115	10	165		1MR	0	5		85			
70	3724	90				117									
72	1200	81		70		145									173
76															
77															
80															
81															
82	1908	154		67	0							90	95		
95	3563	63			0	135				5					
96	4634	101													
97	8165	98													
104				80			0								
109	3488	107	80.8	102		310	20MS		1R	2					
75 SWM788720 ND/VG9144//WOP												HW ID# = 840013 OR8400013P			
1	6500			75		121						100	98	*	
2	3625	70	33.	80		119	10MS	30S					75		
3	1001	155													
4	1900	83	33.	85		296			30MS	5					
5	2633	115	72.	95		301			20MS	2					
6						275									
9							20MR	1R	10R						
14	6830	74	27.	87		146			10R		4				
19							0	00	30S						
22				93		120							100		5
23				82		137	5R					81	69		
24				71	0	155									
25				76		124	S				8				
26	3680		39.4	80	0	127	99S			9	9	100			
27				93		110	25S				6				

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 75 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
32				65											
41	3614	113		92		171			60MS		0	30	30		207
43				85		149			99S		7				
46	4735	95		80		122	30S								
49	3750	451		82											
51	4950	76	38.4	105	30	139				3			95		
54									5R						3
55				70		157		10MS	60MR						2 2
59							20S	0		0	0				
60	300	54	38.	74		204	10S					85	50		
62				73		142	1R								1
66				94	10	161		10MS	1MR	8		85			
70	3192	77				109									
72	1800	122		65		135									170
76														*	
77														*	
80														*	
81														*	
82	1139	91		59	0							100	90		
95	5220	92			0	127				4					
96	4285	94													
97	8572	103													
104				60		69	60S							*	125
109	4477	138	80.2	86		302		1MS	1R	3				*	

76	SWM788720	ND/VG9144//WOP									HW ID# =	840014 OR8400014P			
1				78		128	5S					100	100		
2	4692	91	23.	78		116							80		
3	1035	161													
4	1216	53	32.	85		296			40MS	7					
5	2767	121	72.	85		301			40S	1					
6						275									

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 76 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
9							25MR	1R	10R						
14	8329	90	29.5	85		146			10R		4				
19							0	00	30S						
22				97		121							100		5
23				80		137	10R					79	66		
24				65	0	156									
25				75		123	S								
26				80	0	127	99S			9	9	100			
27				94		110	25S				6				
32				65											
41	4460	139		94		171			60MS		0	30	30		204
43				90		150			90S		7				
46	4735	95				119	30S								
49	3200	385		74											
51	4850	75	31.4	95		138				3			95		
54								5R							3
55				70		156		15MS	40MR						3 3
59							20S	0		0	0				
60	299	54	38.	59		203	5MS					85	70		
62				71		139									
66				93	10	164		1MR	10MS	7		75			
70	2926	70				108									
72	1467	100		65		138									169
76														*	
77														*	
80															
81														*	
82	1609	129		57	0							95	95		
95	4548	80			5	127				6					
96	4358	95													
97	8093	97													
104				75		67	40S							*	125
109	5032	155	79.5	85		302		1R		3					

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 77 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
77 SWM788720		ND/VG9144//WOP								HW	ID# =		840015 OR8400015P		
1	6600			75		128						100	100	*	
2	3852	75	29.	85		114							79		
3	542	84													
4	1016	44	36.	85		296			50MS	6					
5	2817	123	72.	85		300			30S	2					
6						276									
9							20MR	1R	5R						
14	7830	85	31.5	90		147		30MR	10R		3				
19							0	00	20S						
22				93		124							100		4
23				80		137	10R	5S				69	78		
24				66	0	156									
25				76		123	S				6				
26				80	0	127	99S			9	9	100			
27				89		110	25S				6				
32				65											
41	3460	108		87		173			60MS		0	30	30		205
43				80		151			99S		9				
46	4669	93				124	40S								
49	3400	409		79											
51	4575	70	29.4	95		139				3			95		
54								5MR							3
55				65		157		30MS	20R						3 2
59							20S	0		0	0				
60	466	84	38.	63		203						85	70		
62				70		139									
66				86	10	162		1MR	5MR	6		75			
70	2128	51				110									
72	1467	100		65		138									168
76														*	

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 77 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
77															
80															
81														*	
82	1609	129		58	0							95	90		
95	4688	82			0	128				7					
96	4642	102													
97	7744	93													
104				71		67	40MS							*	125
109	4499	138	78.8	86		302		1R		3					
78 SWM788834 RPB14-68/4/KVZ/3/CNO/CHR//ON										HW ID# =		840043 OR8400043H			
1	7600			90		137	5S					95	95	*	
2	5052	98	36.	100		120	10MS	20S					79		
3	801	124													
4	2167	94	38.	95		307		1MS	60MS	4					
5	3600	157	71.	115		308			50S	1					
6						284									
9							20MR	1R	80S						
14	7038	76	36.	100		154		50S	10R		3				
19							0	50S	50S						
22				110		127							100		1
23				102		137	10R					65	69		
24				75	0	162									
25				93		132	S								
26				105	0	131	20MR			9	9	65			
27				103		119	25S				6				
32				70											
41	2230	69		107		176			50MS		0	40	20		213
43				75		156			80S		7				
46	4669	93				128									
49	1800	216		85											
51	7925	122	45.2	110	10	144				5			95		

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 78 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
54															
55				75		176		20MS 5S	5MS 10MR						3
59							30S	0		3	0				3 2
60	454	82	40.	80		200						85	45		
62				80		150									
66				104	20	168		40S	20S	5		75			
70	2660	64				112									
72	1400	95		65		143									
76															173
77															
80															
81															
82	1124	90		58	0							75	95		
95	5630	99			0	132				6					
96	4456	98													
97	7065	85													
104				78			0								
109				95		311		60MS	10MR	2					

79	SWM789783	TJB916-46/CB306//2*MHB/3/BUC										HW ID# =	840152 OR8400152P		
1				85		129									
2	3905	76	46.	87		113						100	100		
3	918	142											70		
4	1100	48	30.	95		293				6					
5	4900	214	80.	95		297			1R	3					
6				85		287		5MS	5MS					*	
9							30MR	1R	5R						
14	9162	100	39.8	100		152		10R	10R		3				
19							0	00	1S						
22			41.1	92		121							100	*	3
23	4584	68	34.8	95		145	5R					73	78	*	
24				79	0	155									

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 79 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
25				90		124									
26	7232		39.3	100	0	129	50MS			9	3	85			
27				103	95	115	1R				6				
32				65											50
41	4921	154		102		169			0		0	40	30	*	208
43				90		151		5MS	40MR		7				
46	5736	115				124									
49	2550	307		83											
51	6400	99	41.6	105	5	142				3			95		
54															5
55				90		179		5MS							3 2
59							30S	0		3	0				
60	233	42	41.	86		201						85	60		
62				93		151									
66				100	20	157		0	1MR	8		80			
70	3192	77				108									
72	1534	104		70		135									167
76														*	
77															
80															
81														*	
82	1253	101		59	0							60	95		
95	3485	61			80	125				6					
96	4308	94													
97	8319	100													
104				70	40		0								
109	5588	172	81.3	90		301		1MR		2					

81	SW0780163	NOR/2*YMH//TOB,F1/3/TF44	HW ID# = 840189 OR8400189S

1	7200			90		136	5S					100	100	*	
2	5238	102	83.	90		120							83		
3	500	77													

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 81 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
4	1850	81	42.	100		302		1MR	40MS	3					
5	4667	204	76.	110		310			40S	1					
6						271									
9							30MR	1R	80S						
14	7496	81	37.5	105		154		40MS	10R		1				
19							0	00	5S						
22				102		127									
23				96		141	5R						100		2
24				77	0	161						51	78		
25				96		132									
26				110	0	129	00			7	7	85			
27				106	90	121	1MR				3				
32				60											
41	2999	93		103		174			50MS		0	30	10		20
43				80		156			80MS		5				209
46	4735	95				131	10S								
49	1100	132		73											
51	5100	79	37.7	110	20	145				3			95		
54								10MS							4/5
55				90		187			5R						2 2
59							40S	40S		0	0				
60	234	42	41.	61		209						85	60		
62				95		151									
66				113	10	169		30S	10S	5		85			
70	2926	70				112									
72	1267	86		65		143									
76															173
77															
80															
81															
82	1224	98		55	0							95	100		
95	4900	86			0	128				4					
96	4276	94													

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 81 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
97	5679	68													
104				92			20MS								
109	3488	107		87		304		10MR	1R	1					
82 SW0780163 NOR/2*YMH//TOB,F1/3/TF44 HW ID# = 840191 OR8400191S															
1	7500			90		136	5S					100	100	*	
2	4092	79	41.	87		115							82		
3	684	106													
4	2033	89	40.	100		303			30MS	5					
5	2150	94	75.	100		310			20S	1					
6						291									
9							10R	1R	80S						
14	7163	78	37.5	105		155		40MR	20R		1				
19							0	00	5S						
22				105		127							100		1
23				86		141	5R					19	100		
24				71	0	162									
25				92		134									
26				100	0	122	25MR			9	5	80			
27				105	60	121	1M				6				
32				40									10		30
41	3306	103		105		177			40MS		0	30	10		208
43				85		156			40MS		5				
46	5736	115				128									
49	1700	204		75											
51	4500	69	35.4	110	30	146				3			95		
54															4/5
55				95		185		1MS	10S						2 2
59							10S	0		0	0			*	
60	299	54	48.	70		203						95	75	*	
62				86		151									
66				103	10	163		20S	10S	8		75			

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 82 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
70	2926	70				111									
72	1467	100		65		141									177
76															
77															
80															
81															
82	811	65		60	0							85	90		
95	4199	74			80	129				4					
96	4341	95													
97	7575	91													
104				92			0								
109	3677	113	80.6	90		304		10MR	5MR	1					
83	SWM790602		F12-71//FURY/ANA75								HW ID# =		840596 OR8400596P		
1	7500			100		128						100	100	*	
2	6251	122	41.	97		114							91		
3	851	132													
4	1166	51	24.	90		286				7					
5	5784	253	79.	115		297			5MR	2					
6						282									
9							5R	1R	20MR						
14	6330	69	33.	115		153					7				
19							0	00	1MR						
22			39.4	97		118							100		3
23				98		140	5R					43	100		
24				90	0	157									
25				93		123									
26				110	0	128	5R			9	5	95			
27	3781	115	26.2	106	10	111	10MS				0			*	
32				80										*	
41	5075	159		112		173			0		0	30	30	*	209
43				95		154			60MR		7				

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 83 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
46	5469	110				125									
49	2900	349		94											
51	7850	121	40.	120		143				3			95		
54									5MR						2
55				95		172		1MS							2 2
59							30S	0		3	0				
60	433	78	44.	78		196						85	80	*	
62				82		133									
66				109	30	148		1MR	0	8		85			
70	4788	116				98									
72	1067	72		70		141									168
76															
77															
80															
81															
82	1409	113		63	0							85	95		
95	2743	48			90	119				7					
96	4046	89													
97	4253	51													
104				85		86	0							*	128
109	3921	120	77.7	92		297	10MS			3					
84 SWM801625 RBS/ANZA/3/KVZ/HYS//YMH/TOB/4/BOW S HW ID# = 842847 OR8402847H															
1	7600			80		129						100	100	*	
2	3545	69	36.	85		112							75		
3	1027	159													
4	816	35	18.	80		283				7					
5	1917	83	77.	75		301			5MS	3					
6						291									
9							1R	1R	10R						
14	8163	89	34.	85		151		10R			3				
19							0	00	00						

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 84 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
22				93		118									
23				80		140							100		4
24				67	0	155						27	100		
25				80		123									
26				90	0	129	99S			9	5	100			
27	2290	69	19.	90		112	5M				0			*	
32				65											
41	3845	120		85		171			0		0	50	30		207
43				90		151		10MR	40MR		5				
46	5902	118				124									
49	3100	373		82											
51	5225	81	29.4	95		141				3			95		
54								20MS	5MR						3
55				70		159		1MS							3 2
59							0	0		0	0			*	
60	466	84	43.	64		200						85	85		
62				72		131									
66				94	10	159		0	0	8		80		*	
70	4149	100	79.			97								*	
72	1800	122		70		139									
76															167
77															
80															
81															
82	1694	136		53	0							90	100		
95	5768	102			50	119				5					
96	4868	107													
97	7612	92													
104				94		85	0								
109	3299	101	77.7	80		294				2				*	126

85 SWM801853 AU/3/MINN//HK/MDA38/4/YMH/ERA/5/BOW HW ID# = 843033 OR8403032P

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 85 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
1	7500			105		126						100	95	*	
2	4985	97	24.	95		113							78		
3	801	124													
4	1566	68	32.	95		288	1MS			5					
5	6968	305	84.	110		300				3					
6				100		269		10MS	1MS					*	
9							1R	1R	5R						
14	7247	79	36.	115		152		20R			5				
19							0	00	1R						
22			38.6	90		121							100		1
23				101		138	5MR	5S				45	100		
24				89	0	156									
25				97		124									
26				115	0	129	99S			9	5	85			
27				107		113	10S				8				
32				90											
41	4306	134		111		172			0		0	40	30		207
43				80		154		30MS	40MR		7				
46	5969	120				124									
49	2200	265		81											
51	9300	144	40.5	115	45	142				3			95		
54															3
55				90		176		5MS	5R						2 3
59							0	0		0	0				
60	439	80	40.	65		194						85	52		
62				80		138									5
66				100	30	153		0	0	7		90			
70	3990	96				100									
72	1600	109		75		139									167
76															
77															
80															
81															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 85 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
82	1281	103		65	0										
95	5370	94			10	124				6		60	100		
96	3887	85													
97	5851	70			15										
104				82		80	20MS							*	125
109	4799	147	82.9	92		297				1					
86	SWO802085		RMNF50-68/BUN,F1/3/II58-57//YMH/2* P101								HW	ID# =	843426 OR8403426H		
1				105		129	5S					100	100		
2	4078	79	49.	100		114							75		
3	751	116													
4	2100	91	42.	95		300		5MS	20MS	5					
5	2133	93	77.	115		307			10MS	1					
6						255									
9							1R	1MS	5R						
14	6997	76	34.3	112		152					7				
19							0	00	20S						
22			43.3	113		124									
23				108		139	5R						100		1
24				92	0	158						69	75		
25				105		125									
26				117	0	129	5R			9	5	85			
27				110		118	10S				8				
32				20											
41	4229	132		117		172			30MS		0	40	40		30
43				100		154			80MS		7		10		207
46	3768	75				124									
49	450	54		70											
51	4200	65	40.3	115	85	145				1			95		
54															
55				100		181		5MS	1R						5
59							50S	0		0	4				2 2

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 86 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
60	452	82	42.	56		203	5MS					85	40		
62				98		164									3
66				117	30	164		10MR	10MR	7		80			
70	4522	109				107									
72	1067	72		80		143									171
76															
77															
80															
81															
82	1139	91		66	0							70	100		
95	3457	61			80	127				5					
96	3551	78													
97	2660	32			50										
104				60	80		0								
109				96		307		10MR	1R	0					
87 SWM789134 AVC/BCH											SR	ID# =	840066 OR8400066P		
1	7800			105		137						100	100	*	
2	3959	77	40.	105		122							85		
3	634	98													
4	2250	98	32.	100		308			40MS	5					
5	3200	140	73.	110		313			30S	1					
6						259									
9							20R	1R	90S						
14	7496	81	36.	110		151					6				
19							0	00	40S						
22				108		127							100		1
23				106		144	5R					75	77		
24				87	0	159									
25				100		132									
26				115	0	128	25MS			9	5	85			
27				109		120	5MR				8				

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 87 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	EGT	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
32				90											
41	2999	93		113		177			0		0	40	20		212
43				90		156			60MS		7				
46	4135	83				125									
49	3300	397		83											
51	5500	85	35.8	125	50	145				3			95		
54									20MR						3
55				90		175		5MS	40S						3 2
59							20S	0		0	4				
60	612	111	38.	74		203						85	75		
62				79		147									7
66				118	10	169		0	5MR	6		90			
70	4522	109				111									
72	1267	86		75		143									168
76															
77															
80															
81															
82	1367	110		64	0							85	100		
95	4399	77			20	131				5					
96	4141	91													
97	6054	73													
104				82		80	0								
109	2566	79		101		308		1MR		2					
88 SWM789134		AVC/BCH									SR ID# =		840074 OR8400074P		
1				100		137						100	100		
2	4158	81	38.	105		121							78		
3	784	122													
4	2367	103	34.	100		308	1MS		60MS	4					
5	766	33		105		312			60S	1					
6						286									

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 88 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
9							15R	1R	90S						
14	7080	77	41.2	107		153			1R		5				
19							0	1MR	20S						
22				105		127							100		1
23				101		144	10R					52	100		
24				82	0	160									
25				95		133					8				
26				115	0	128	5R			9	5	85			
27				108		122	10S				8				
32				70					1S				10		20
41	2691	84		108		177			0		0	40	10		212
43				80		156			80MR		7				
46	4135	83				128									
49	1900	228		85											
51	5875	91	36.4	120	50	145				5			95		
54								30MS							4/5
55				90		182		20MS	40S						3 2
59							20S	0		0	4				
60	199	36	39.	68		201						85	48		
62				86		161									
66				113	20	175		40S	5MR	5		75			
70	2128	51				115									
72	1133	77		60		143									171
76															
77															
80															
81															
82	740	59		65	0							55	100		
95	3296	58			20	134				5					
96	3987	87													
97	4198	50													
104				70	60		0								
109	2710	83		93		310				1					

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 89 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
89 SW0791002	CAR113/3/PI/MZ//CNO/3/LFN										SR	ID# =	840198 OR8400198H		
1	7100			100		128									
2	5825	113	45.	100		112						100	100	*	
3	701	109											98		
4	1233	54	37.	95		287		1MS	60MS	4					
5	2033	89	76.	105		297			20S	1					
6						291									
9							5R	90X	80X						
14	7830	85	44.	107		148		10R			6				
19							60M	30S	5S						
22				96		118									
23				101		136	5R	5S				74	100		5
24													87		
25				105		124					8				
26				130	0	128	20MS			5	3	90			
27	3198	97	34.	108		113	5M				6			*	
32				95											
41	4075	127		110		168			20MS		0	40	30		211
43				85		150			60MR		7				
46	4002	80				122									
49	2750	331		90											
51	3175	49	41.8	115	70	140				3			95		
54								15MR							3
55				90		171		5MS							2 2
59							20S	0		0	0				
60	400	72	43.	80		207						85	70		
62				92		135									
66				110	30	154		10MR	1MR	5		90			
70	6118	148				100									
72	1734	118		75		136									
76															168

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 89 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
77															
80															
81															
82	1139	91		63	0							85	90		
95	3294	58			80	119				4					
96	3678	80													
97	6166	74			20										
104				78			0								
109	4310	132	79.9	95		294		10MR	1R	1					
90 SW0791026 VORO-VB4-279-2/DGA//HLI10										SR	ID# =		840233 OR8400233H		
1				95		128						95	95		
2	2732	53	47.	99		113							71		
3	634	98													
4	1033	45	42.	100		294	1MS		50MS	3					
5	4317	189	81.	110		300			60S	1					
6						274									
9							80S	1R	90S						
14	8579	93	40.	112		148			50S		2				
19							30MS		80S						
22				93		120							100		5
23				106		136	5R	5S				64	94		
24				96	50	156									
25				105		125									
26				125	0	128	9R			3	3	90			
27				112		114	10MS				8				
32				20			10S						20		20
41	3306	103		107		169			60MS		0	40	20		208
43				90		149			99S		7				
46	2734	55				124									
49	900	108		80											
51	2625	40	29.8	105	80	141				3			95		

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 90 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
54								5MS	5MS						5
55				90		184			50S					*	2 1
59							80S	0		0	0				
60	334	60	40.	75		194						85	65		
62				90		163									
66				107	40	165		20S	20S	4		85			
70	3458	83				106									
72	1600	109		80		136									
76															169
77															
80															
81															
82	1466	118		64	0							70	100		
95	3669	64			80	119				4					
96	2669	58													
97	3917	47			30										
104				60	100		0								
109				85		300	60S			1					

91 SW0791034	MVR5/PVN//TAST	SR ID# = 840255 OR8400255H

1				105		137						95	95		
2	4265	83	35.	107		121							75		
3	551	85													
4	1900	83	38.	105		298	1MS		50MS	5					
5	2517	110	80.	115		301			20MS	4					
6				80		289		5MS	1R					*	
9							5R	1R	40MS						
14	6747	73	33.5	115		154			1R		4				
19							0	1MR	5MR						
22			38.3	99		127							100		
23				109		142	10MR					66	83		
24				99	0	160									

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 91 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
25				106		130									
26	5760		37.3	120	0	128	99S			9	5	95			
27				112		121	10MS				6				
32				20					1S				10		20
41	4614	144		115		175			0		0	40	20	*	212
43				95		156			60MR		7				
46	2534	51				128									
49	1800	216		89											
51	5225	81	38.4	120	50	147				3			95		
54									1MS						5
55				95		184		10S	15R						3 1
59							10S	0		3	0				
60	332	60	51.	92		208						95	95	*	
62				102		152									5
66				119	30	167		10MR	1MR	6		80			
70	3724	90				108									
72	1000	68		70		143									170
76															
77															
80															
81															
82	2164	174		67	0							75	100		
95	2380	42			80	129				5					
96	3497	76													
97	4448	53													
104				55	100		0								
109				88		303	60S			1					
92	SW0791052		BGS-SORT/CHAT//PMF/LFN								SR	ID# =	840267	OR8400267H	
1	9000			85		128						100	100	*	
2	5665	110	32.	86		113							89		
3	834	129													

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 92 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
4	516	22	26.	90		288				9					
5	3700	162	82.	95		298			5MS	3					
6						274									
9															
14	6247	68	33.7	100		152					5				
19							1R	00	5MR						
22				90		119							100		4
23				95		137	5R					73	82		
24				85	0	155									
25				95		124									
26				105	0	129	99S			7	5	85			
27				104		113	5MS				6				
32				100											
41	4460	139		95		167			0		0	40	30	*	212
43				80		152			80MR		7				
46	4002	80				122									
49	3200	385		82											
51	4625	71	39.4	115	45	141				3			95		
54															4/5
55				85		176		5MS							3 2
59							70S	0		0	0				
60	321	58	48.	76		208						85	80	*	BYDV
62				82		142									
66				110	30	158		1MR	1MR	7		80			
70	5586	135				99									
72	1667	113		70		138									168
76															
77															
80															
81															
82	1965	158		59	0							85	100		
95	4247	75			20	120				5					
96	4023	88													

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 92 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
97	5591	67			30										
104				78			0								
109	3088	95		80		297	60S			1					
93 SW0791054 2CA542C-SKP/NZT//NAC/5/GLL/4/JD/JB//GB/3/SX										SR ID# = 840278 OR8400278H					
1	8000			85		128						100	100	*	
2	4038	78	46.	86		113							88		
3	634	98													
4	433	18	23.	90		288				9					
5	4817	210	82.	100		298			5MR	3					
6						274									
9							10R	1R	15R						
14	6663	72	34.3	100		152		1R			6				
19							0	00	1MR						
22				88		115							100		4
23				97		137	5R					56	100		
24				93	0	155									
25				93		124									
26				100	0	129	70S			7	5	95			
27				102		113	0				6				
32				100											
41	4229	132		100		168			0		0	40	40		209
43				75		151			80MS		7				
46	3968	79				122									
49	4000	481		81											
51	5025	77	34.4	120	50	141				3			95		
54															4/5
55				85		177		1R							4 2
59							70S	0		0	0				
60	379	69	46.	88		210						95	90	*	
62				80		142									
66				107	30	157		1MR	1MR	7		80			

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 93 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
70	5586	135				100									
72	1534	104		70		140									167
76															
77															
80															
81															
82	1694	136		60	0							90	90		
95	2978	52			80	120				4					
96	4013	88													
97	5731	69			30										
104				82			0								
109	2921	90		84		297	40S			2					
94	SW0791054		2CA542C-SKP/NZT//NAC/5/GLL/4/JD/JB//GB/3/SX							SR	ID# =	840279	OR8400279P		
1	9500			85		128	25MS					100	100	*	
2	3785	73	43.	82		113							80		
3	718	111													
4	800	35	34.	95		293			40MS	5					
5	3667	160	80.	95		298			10MS	2					
6						288									
9							80X	1R	90X						
14	6330	69	33.7	103		151		1R			9				
19							30S	60S	5S						
22				92		120							100		4
23				96		137	10MR	40S				68	62		
24				92	5	154									
25				96		124									
26				110	0	129	5R			9	5	100			
27				102		113	10MS				8				
32				30				1S					10		20
41	4460	139		102		168			0		2	40	40		211
43				85		149			80MS		9				

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 94 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
46	4568	91				122									
49	2100	253		83											
51	5675	87	36.6	110	90	142				3			95		
54								30S							5
55				85		181		5S							2 2
59							70S	0		0	4				
60	500	91	33.	75		196						75	40		
62				90		158									
66				119	30	158		5MR	1MR	7		85			
70	4522	109				101									
72	1667	113		75		139									168
76															
77															
80															
81															
82	996	80		64	0							90	85		
95	3955	69			70	122				4					
96	4430	97													
97	6633	80			20										
104				70	80		0								
109	4477	138	81.5	83		298	60S		1R	1				*	
95	SW0791054		2CA542C-SKP/NZT//NAC/5/GLL/4/JD/JB//GB/3/SX								SR	ID# =		840281 OR8400281P	
1				85		126						95	95		
2	4998	97	40.	85		114							85		
3	734	114													
4	2133	93	38.	95		291	1MS		20MS	5					
5	4584	200	78.	105		297			1R	2					
6						292									
9							1R	1R	40MR						
14	5414	59	33.5	100		151		30MR			8				
19							0	5S	5M						

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 95 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
22			36.2	90		118							100		4
23	3567	53	35.3	100		137	5R	5MR				56	95	*	
24				91	0	154									
25				94		125	S				8				
26	3680		35.6	110	0	129	5R			7	3	95			
27				100		113	5MS				6				
32				30									5		10
41	4537	142		98		168			0		2	50	40	*	211
43				80		151			60MS		9				
46	4068	81				123									
49	700	84		97											
51	5175	80	34.6	105	90	142				3			95		
54								20MS							5
55				90		180		10MS							2 2
59							50S	0		0	0			*	
60	266	48	35.	70		199						85	55		
62				100		163									
66				109	30	159		5MR	1MR	7		80			
70	5852	141				99									
72	1734	118		75		140									
76															168
77															
80															
81															
82	740	59		65	0							85	90		
95	2777	49			70	122				5					
96	4533	99													
97	6973	84			5										
104				75	80		0								
109				86		298	60S	5MR	1R	2					

96 SW0791253 YT54/N10B//NAR/3/HYS/4/KVZ/CNO/CHR//ON/5/ARIC232-69/ALD SR ID# = 840424 OR8400424H

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 96 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
1				94		126						100	99		
2	5945	116	41.	97		114		10MS					93		
3	400	62													
4															
5	3784	165	82.	110		300				2					
6				80		283		5MS	1R					*	
9							5R	1R	5R						
14	6830	74	32.	120		151			1R		4				
19							0	00	1R						
22			35.1	96		125							100	*	
23				111		139						56	91		
24				88	0	157									
25				100		125									
26				130	0	129	00			9	3	80			
27				117		115	0				8				
32				30									10		
41	4537	142		120		171			0		0	50	20	*	211
43				90		155			30MR		9				
46	1667	33				128									
49	1000	120		87											
51	6225	96	37.7	115	90	144				3			95		
54															4/5
55				100		177									3 2
59							10S	0		0	0				
60	267	48	41.	68		203						85	50		
62				108		155									
66				113	30	159		0	0	6		80			
70	3724	90				101									
72	1067	72		80		136									170
76															
77															
80															
81															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 96 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
82	1466	118		74	0							90	90		
95	3566	63			80	125				4					
96	3288	72													
97	4130	49			60										
104				80	80		0								
109	4044	124		102		300	1R		1R	1					
97	SW0791253		YT54/N10B//NAR/3/HYS/4/KVZ/CNO/CHR//ON/5/ARIC232-69/ALD SR									ID# =	840425 OR8400425H		
1	7000			85		126									
2	8864	173	40.	86		114						95	90	*	
3	584	90											98		
4															
5	4800	210	80.	105		299				2					
6				80		282		1R	1R					*	
9							10R	1R	80X						
14	6830	74	40.	107		152		1R			3				
19							0	00	00						
22			33.9	93		124							100		2
23				101		140						55	91		
24				90	0	157									
25				95		124									
26				112	0	129	00			9	5	85			
27	3136	95	32.4	108		116	5MR				8			*	
32				60											30
41	4460	139		107		172			0		0	40	20		209
43				90		152		5MR			9				
46	3535	71				127									
49	2300	277		82											
51	4250	65	35.1	115	90	144				3			95		
54															5
55				95		178									3 2
59							10S	0		0	0				

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 97 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
60	466	84	50.	90		207						95	98		
62				100		151									
66				105	20	160		0	1MR	6		75			
70	4213	102	78.			99								*	
72	1667	113		80		136									170
76															
77															
80															
81															
82	1609	129		75	0							90	95		
95	1417	25			80	126				5					
96	4321	95													
97	4338	52			50										
104				80	60		0								
109	3321	102		97		300	40MS			1					
98 SW0791259 ANZA/4/WRM/3/JD/JB//GB/4/ALD/5/F12-71 SR ID# = 840444 OR8400444H															
1	8500			80		126						90	90	*	
2	3385	66	31.	81		116							80		
3	684	106													
4															
5	2300	100	78.	105		300				4					
6						289									
9							10R	1R	15MR						
14	6414	70	41.5	107		153					5				
19							0	1MR	1MR						
22				97		125							100		3
23				97		138	5R					69	78		
24				79	0	157									
25				85		129									
26				110	0	129	5R			9	5	75			
27	2748	83	28.	102		116	5MS				6			*	

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 98 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
32				50											
41	3383	106		102		173			10MS		0	40	10		20
43				75		153			60MR		7				205
46	3468	69				125									
49	800	96		77											
51	4275	66	35.	115	90	142				3			95		
54								1R							5
55				85		182									3 2
59							30S	0		0	0				
60	253	46	41.	86		205						95	65		
62				92		156									
66				90	20	162		0	1MR	6		75			
70	4256	103				104									
72	1200	81		65		143									168
76														*	
77														*	
80														*	
81															
82	1480	119		63	0							85	100		
95	3741	66			70	126				5					
96	4136	91													
97	2134	25			80										
104				85	90		0								
109				95		302	40MS			1					
99	SWM790512		VPM/MOS3-11-4-8//NAC76								SR	ID# =	840567	OR8400567P	
1				90		135						90	95		
2	5558	108	35.	91		116	10MS	30S					92		
3	617	96													
4															
5	4684	205	79.	110		300			10S	1					
6						269									

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 99 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
9							1R	40S	5R						
14	8413	91	36.	110		154					1				
19							0	80S	20S						
22			38.9	97		124							100		2
23				102		142		40MS				53	100		
24				89	5	157									
25				96		129									
26				125	0	129	5R			9	5	90			
27				103		117	10MS				0				
32															
41	3614	113		103		173			0		0	40	30		209
43				95		156		10MS	40MR		7				
46	4135	83				125									
49	2250	271		80											
51	7375	114	40.	115	90	146				3			95		
54								20S							3
55				85		177		60MS							2 2
59							0	20S		2	0				
60	432	78	39.	69		209						75	40		
62				90		140									
66				93	20	158		0	0	6		70			
70	5586	135				103									
72	1800	122		70		139									172
76															
77															
80															
81															
82	1609	129		66	0							90	100		
95	5888	104			0	127				4					
96	3390	74													
97	6460	78			15										
104				87		79	0								
109	3188	98	77.9	103		298	1MR	1R		1					

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 101 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 SWM790512			VPM/MOS3-11-4-8//NAC76												
											SR	ID# =	840571 OR8400571P		
1				90		127						95	95		
2	4438	86	43.	86		115							82		
3	551	85													
4	1616	70	33.	90		290			15MR	6					
5	5367	235	80.	105		299			20S	1					
6						269									
9							10R	50S	5R						
14	8746	95	43.7	110		153		20R			6				
19							0	60S	30S						
22			40.5	97		120							100		3
23				102		140		40S				47	96	*	
24				88	0	156									
25				95		125									
26				115	0	129	00			7	3	75			
27				103		114	0				0				
32				65											
41	4383	137		108		170			0		0	40	30	*	209
43				95		155		10MS	40MS		7				
46	3935	79		85		125									
49	1850	222		83											
51	3600	55	37.6	100	75	144				3			95		
54								60S							3
55				80		176		20S							2 2
59							10S	10S		0	0				
60	299	54	30.	70		206						85	65		
62				95		137									
66				95	30	156		0	0	7		70			
70	5320	129				100									
72	1934	131		75		139									
76														*	167

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 101 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
77															
80														*	
81														*	
82	2306	186		65	0							95	100		
95	5641	99			40	128				5					
96	4444	97													
97	6103	73			20										
104				87		70	0							*	125
109	4144	127	77.	98		297		20MR	1R	1					
102	SWM790664		NS738/4/BB//TOB/CNO/3/HUAC							SR	ID# =		840618 OR8400618S		
1				105		127	25S					100	100		
2	4825	94	48.	87		113							85		
3	517	80													
4	2150	94	36.	85		294			40MS	5					
5	3133	137	82.	110		297			10MS	1					
6						286									
9							15R	1R	50S						
14	6997	76	37.	115		150		1R	25R		8				
19							0	00	30S						
22			47.5	109		124							100		4
23				109		136	5R					39	100	*	
24				92	40	155									
25				104		124					8				
26				125	0	129	00			3	3	85			
27				105	20	115	10S				8				
32				70											
41	3306	103		110		167			0		0	50	20		203
43				95		149			80S		7				
46	5069	102		95		123									
49	1300	156		84											
51	4500	69	39.8	110	80	143				3			95		

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 14th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY 102 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
54															
55				95		178		5MS	80S						5
59							30S	0		0	5				3 1
60	266	48	34.	65		206						85	40		
62				107		144									
66				111	30	158		0	0	6		70			
70	3990	96				99									
72	1467	100		80		138									
76															169
77															
80															
81															
82	1438	116		70	0							40	90		
95	3213	56			70	124				4					
96	3823	84													
97	5940	71													
104				100			40MS								
109	3610	111	78.6	97		297	60MS	5R		1					

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

COUNTRY: Afghanistan
STATE:
STATION: Darul- Aman Agr. Res. Sta.
COOPERATORS: Shamsuddin "Seddiqi"

LATITUDE: 34°27'N LONGITUDE: 69°08'E ELEVATION: 1825M
DATE PLANTED: 16/10/86 DATE HARVESTED: 18/07/87
MOISTURE: MMI TOTAL FERTILIZER: 120N 60P
LOCAL CHECK VARIETY USED IN THIS NURSERY: HB-102-100

COMMENTS: The weather was dry and there was little snow. There was moderate disease development. There were weed problems and bird damage is estimated at 5-8%. These problems were due to lack of labor.

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		100		85		128	25MS					98	100		
65				75		124						10	100		
50				95		126						10	100		
66				92		127						10	100		
59				100		127						10	100		
10	7500.0			85		127						10	100	*	
72	3200.0			75		125						10	100	*	
67	7600.0			95		127	20MS					10	100	*	
76				78		128	5S					10	100		
92	9000.0			85		128						10	100	*	
38	5000.0			85		122	5MS					90	98	*	
93	8000.0			85		128						10	100	*	
94	9500.0			85		128	25MS					10	100	*	
83	7500.0			100		128						10	100	*	
55				75		125						10	99		
102				105		127	25S					10	100		
86				105		129	5S					10	100		
58				100		124						10	98		
75	6500.0			75		121						10	98	*	
89	7100.0			100		128						10	100	*	
77	6600.0			75		128						10	100	*	
96				94		126						10	99		
84	7600.0			80		129						10	100	*	
24				85		125	40S					10	99		
23				85		125	20S					98	98		
69	6200.0			95		127	55S					10	100	*	

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

COUNTRY: Afghanistan
STATE: Bulkh
STATION: Mazar-i-sharif
COOPERATORS: Saleh-Mohammad (Moori)

LATITUDE: 67°12'N LONGITUDE: 36°42'E ELEVATION: 378M
DATE PLANTED: 30/11/86 DATE HARVESTED: 05/06/87
MOISTURE: 172MMI TOTAL FERTILIZER: 120N 80P
LOCAL CHECK VARIETY USED IN THIS NURSERY: HD2232

COMMENTS: Weather was rainy and conditions were favorable for growth. There were 26 days of below 0 C temperatures. The major disease problem was rust. Weeds were a severe problem.

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	5118.7	100	34.0	84		112		30S					91		
89	5825.2	113	45.0	100		112							98		
17	4798.8	93	41.0	78		106							92		
11	6011.8	117	37.0	89		111							91		
15	5332.0	104	40.0	71		107							90		
25	4812.1	94	40.0	82		111		20S					92		
18	5212.0	101	40.0	79		107							88		
65	4305.6	84	35.0	82		111							93		
97	8864.4	173	40.0	86		114							98		
63	6011.8	117	41.0	82		114							95		
16	2466.0	48	36.0	70		107							95		
22	3545.8	69	54.0	77	30	111							95		
96	5945.2	116	41.0	97		114		10MS					93		
39	2199.4	42	30.0	99	20	107							92		
66	6398.4	125	47.0	110		115							98		
92	5665.2	110	32.0	86		113							89		
26	4452.2	86	40.0	90		111							88		
83	6251.8	122	41.0	97		114							91		
23	3679.1	71	68.0	76		111							90		
7	4598.8	89	38.0	82		112							89		
4	4412.2	86	48.0	83		111	10MS	20MS					87		
21	3479.1	67	53.0	85	30	111							90		
1	5038.7	98	40.0	87		113	20S	40S					85		
61	6211.8	121	35.0	74		115	10MS	10MS					91		
36	2826.0	55	32.0	94		106							85		
52	5598.6	109	35.0	99		112							82		

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

COUNTRY: Algeria
STATE:
STATION: Setif
COOPERATORS: IDGC Staff

LATITUDE: 36°09'W LONGITUDE: 5°21'E ELEVATION: 1080M
DATE PLANTED: DATE HARVESTED:
MOISTURE: MM TOTAL FERTILIZER:
LOCAL CHECK VARIETY USED IN THIS NURSERY:

COMMENTS:

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	642.9	100													
58	1152.3	179													
56	1060.4	164													
76	1035.4	161													
84	1027.0	159													
55	1002.0	155													
75	1002.0	155													
72	935.2	145													
53	918.5	142													
35	918.5	142													
61	918.5	142													
79	918.5	142													
52	901.8	140													
54	901.8	140													
83	851.7	132													
64	851.7	132													
73	835.0	129													
92	835.0	129													
62	818.3	127													
78	801.6	124													
85	801.6	124													
65	801.6	124													
3	793.2	123													
57	784.9	122													
88	784.9	122													
66	768.2	119													

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

COUNTRY: Argentina
STATE:
STATION: INTA-EEA Balcarce
COOPERATORS: R. A. Bedogni, J. M. Bariffi, H. Delmagro

LATITUDE: 37°45'S LONGITUDE: 58°18'W ELEVATION: 130M
DATE PLANTED: 7/05/86 DATE HARVESTED: 23/12/86
MOISTURE: 506MM TOTAL FERTILIZER: 18N 46P
LOCAL CHECK VARIETY USED IN THIS NURSERY: Chasico

COMMENTS: Frost damage at heading reduced the yields. There was a heavy development of Puccinia graminis and Septoria tritici. Puccinia recondita and P. striformis development was moderate. There were 34 days with below 0 C temperatures.

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	2283.8	100	33.0	105		297		1MR	5MS	5					
10	1883.7	82	32.0	95		287			1MR	5					
22	2200.4	96	37.0	90		289	1MS		20MS	5					
37	1400.3	61	27.0	80		278		1MR	1MR	7					
7	1083.6	47	29.0	85		287	1MS		1MS	5					
85	1567.0	68	32.0	95		288	1MS			5					
23	2083.8	91	36.0	90		289			15MS	5					
65	1166.9	51	26.0	80		279		1MS		6					
11	3000.6	131	36.0	95		289	5MS	20MR	1MR	5					
38	1633.7	71	31.0	100		280			1MS	7					
89	1233.6	54	37.0	95		287		1MS	60MS	4					
21	1850.4	81	28.0	85		287	1MS	1MS	15MS	6					
95	2133.8	93	38.0	95		291	1MS		20MS	5					
30	1200.2	52	30.0	85		290	1MR			4					
9	1867.0	81	30.0	95		286				6					
15	2067.1	90	42.0	85		293	1MS		40MS	5					
13	3917.5	171	41.0	105		294	1MR			6					
8	3450.7	151	40.0	95		293	5MS	1MS	40MS	5					
26	1600.3	70	32.0	90		289		5MS	20MS	6					
1	1833.7	80	34.0	103		288	1MS	50MS	5MS	7					
16	2000.4	87	43.0	85		293			30MS	5					
70	1533.6	67	34.0	95		294			1MS	4					
34	2000.4	87	39.0	105		297	1MS			4					
35	1550.3	67	22.0	95		287		5MS		8					
4	816.8	35	24.0	80		280			1MR	8					
71	3167.3	138	38.0	95		297		5MS	40MS	4					

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

COUNTRY: Argentina
STATE:
STATION: INTA-EEA Bordenave
COOPERATORS: Juan Ramon Lopez

LATITUDE: 37°50'S LONGITUDE: 63°01'W ELEVATION: 212M
DATE PLANTED: 22/05/86 DATE HARVESTED: 27/12/86
MOISTURE: 268MM TOTAL FERTILIZER:
LOCAL CHECK VARIETY USED IN THIS NURSERY: Cochico INTA

COMMENTS: There were good conditions for germination and until jointing. Afterwards a seasonal dry period and high winds were experienced. These couples with high temperatures caused losses in grain yield and caused shrivelled seed.

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	2283.8	100	79.0	103		296			20MS	3					
7	4350.9	190	75.0	85		296				1					
64	4967.7	217	80.0	95		296			20MS	1					
26	3700.7	162	81.0	100		294			20MS	1					
63	7034.7	308	78.0	95		296			20MS	2					
83	5784.5	253	79.0	115		297			5MR	2					
28	5651.1	247	83.0	95		292			30S	2					
65	4200.8	183	79.0	95		290				2					
11	5417.8	237	81.0	95		296			20S	2					
95	4584.3	200	78.0	105		297			1R	2					
52	3817.4	167	80.0	100		291				2					
10	4200.8	183	78.0	105		297			20MS	1					
13	7984.9	349	83.0	120		302				1					
102	3134.0	137	82.0	110		297			10MS	1					
59	4867.6	213	81.0	115		296			5MS	4					
21	3667.4	160	79.0	90		296			30S	1					
79	4901.0	214	80.0	95		297			1R	3					
29	4367.5	191	83.0	105		296				2					
101	5367.7	235	80.0	105		299			20S	1					
99	4684.3	205	79.0	110		300			10S	1					
55	4467.6	195	80.0	95		294			10MS	4					
30	4767.6	208	81.0	100		302				1					
42	3900.8	170	77.0	90		296				2					
50	833.5	36		105		294			20MS	1					
66	6984.7	305	80.0	110		300			20S	1					
32	3584.1	156	79.0	100		293				2					

TABLE 3- 6. Entries Selected for Over All Agronomic Performance at Location 6 in Rainfall Zone 1

COUNTRY: Argentina
STATE:
STATION: INTA Marcos Juarez
COOPERATORS: Wheat Staff

LATITUDE: 32°42'S LONGITUDE: 62°07'W ELEVATION: 112M
DATE PLANTED: 6/03/86 DATE HARVESTED: 12/05/86
MOISTURE: 430MM TOTAL FERTILIZER:
LOCAL CHECK VARIETY USED IN THIS NURSERY: Las Rosas INTA

COMMENTS: Soil conditions at sowing were moist. The winter was warm and dry. It was rainy at harvest. There were seven days with below 0 C temperatures.

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		100				274									
3						250									
52						252									
58						253									
53						255									
73						255									
86						255									
65						256									
38						257									
59				85		258		5MS	1MS					*	
47						257									
34						257									
46						257									
49						258									
85				100		269		10MS	1MS					*	
50						259									
87						259									
31				90		269		20MS	5MS					*	
28						263									
29						265									
70						268									
101						269									
99						269									
37						269									
72						269									
66						269									

TABLE 3- 9. Entries Selected for Over All Agronomic Performance at Location 9 in Rainfall Zone 2

COUNTRY: Australia
STATE:
STATION: P. B. I. Castle Hill
COOPERATORS: R. A. Mcintosh

LATITUDE: 33°44'S LONGITUDE: 151°10'E ELEVATION: 121 M
DATE PLANTED: /05/86 DATE HARVESTED: /12/86
MOISTURE: 573MM TOTAL FERTILIZER:
LOCAL CHECK VARIETY USED IN THIS NURSERY:

COMMENTS:

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		100													
13							1R	1R	1R						
85							1R	1R	5R						
30							1R	1R	5R						
48							5R	1R	5R						
96							5R	1R	5R						
59							5R	1R	5R						
84							1R	1R	10R						
31							10R	1R	5R						
7							10R	1R	1R						
70							10R	1R	5R						
47							10R	1R	5R						
34							5R	1R	10R						
95							1R	1R	40MR						
57							5R	1R	15R						
83							5R	1R	20MR						
63							10R	1R	10R						
35							10R	1R	10R						
64							10R	1R	10R						
23							5R	1R	30S						
22							5R	1R	30S						
91							5R	1R	40MS						
21							5R	1R	50S						
93							10R	1R	15R						
98							10R	1R	15MR						
61							10R	1R	30MS						

TABLE 3- 14. Entries Selected for Over All Agronomic Performance at Location 14 in Rainfall Zone 3

COUNTRY: Bulgaria
STATE:
STATION: Inst. of Wheat and Sunflower Breeding
COOPERATORS: Nicolai Tsenov

LATITUDE: 40°40'N LONGITUDE: 28°10'E ELEVATION: 236M
DATE PLANTED: 13/10/86 DATE HARVESTED: 28/07/87
MOISTURE: MMI TOTAL FERTILIZER: 100N 100P
LOCAL CHECK VARIETY USED IN THIS NURSERY: Pliska

COMMENTS: The autumn was cool and humid. The winter was cold and long. Spring and summer were dry. There were 80 days of below 0°C temperatures. Ersyphe graminis was heavy; P. recondita was slight; P. graminis was moderate; and P. striformis was negligible.

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	9163.0	100	37.0	92		147	10R				2				
21	9412.9	102	39.0	97		146		10R			1				
45	6997.2	76	34.0	90		147					0				
23	8330.0	90	40.7	110		146		20R	20R		1				
22	7830.2	85	36.8	105		147									
44	8746.5	95	34.2	90		147		30MR			0				
24	8746.5	95	38.0	105		147		40S	1R		1				
69	8746.5	95	37.7	115		147		30MR	1R		2				
4	8163.4	89	43.1	89		144			20R		2				
7	8663.2	94	38.5	97		151					0				
76	8330.0	90	29.5	85		146			10R		4				
36	7497.0	81	36.8	105		146		10R			3				
63	7497.0	81	34.0	90		148		20R	1R		1				
64	7913.5	86	32.8	100		147		20R			2				
26	9829.4	107	42.6	115		148		40S	25MR		1				
31	8663.2	94	38.0	107		151			1R		2				
52	7830.2	85	40.7	120		148		10R			3				
77	7830.2	85	31.5	90		147		30MR	10R		3				
3	6455.7	70	30.0	81		146		20MR	10R		1				
61	9746.1	106	37.5	100		152		20R			0				
47	6664.0	72	35.5	110		146		20R			2				
90	8579.9	93	40.0	112		148			50S		2				
75	6830.6	74	27.0	87		146			10R		4				
79	9163.0	100	39.8	100		152		10R	10R		3				
6	7746.9	84	34.5	105		152					1				
32	7497.0	81	40.0	110		150			1R		3				

TABLE 3- 19. Entries Selected for Over All Agronomic Performance at Location 19 in Rainfall Zone 3

COUNTRY: Chile
STATE:
STATION: La Platina
COOPERATORS: I. Ramirez and Wheat Staff

LATITUDE: 33°34'S LONGITUDE: 70°38'W ELEVATION: 625M
DATE PLANTED: 3/07/86 DATE HARVESTED: 5/01/87
MOISTURE: 119MMI TOTAL FERTILIZER: 90N 92P
LOCAL CHECK VARIETY USED IN THIS NURSERY: Millaleu INIA

COMMENTS: The growing season was abnormally dry. There were 9 days of 0 C temperatures or below. Stripe rust was low, but P. graminis and P. recondita were moderately severe.

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		100					0		1R						
58							0	00	00						
47							0		00						
84							0	00	00						
59							0	00	00						
97							0	00	00						
65							0	00	1R						
96							0	00	1R						
85							0	00	1R						
83							0	00	1MR						
93							0	00	1MR						
53							0		1R						
79							0	00	1S						
70							0	00	5R						
72							0	00	1S						
34							0	00	5R						
29							0	00	5MR						
52							0		1S						
7							0		5R						
13							0	1MR	00						
82							0	00	5S						
81							0	00	5S						
98							0	1MR	1MR						
51							0	00	10M						
48							0	00	10S						
91							0	1MR	5MR						

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

COUNTRY: China
STATE:
STATION: Jiangsu Academy of Ag. Sci.
COOPERATORS: Cao Yang

LATITUDE: 32° 'N LONGITUDE: 118°48'E ELEVATION: 9M
DATE PLANTED: 24/10/86 DATE HARVESTED: 05/06/87
MOISTURE: 666MM TOTAL FERTILIZER:
LOCAL CHECK VARIETY USED IN THIS NURSERY: Ning Mai 3

COMMENTS: The winter was warmer than usual and the spring was much colder. Maturity was quite abnormal due to high temperatures. There were 4 days with below 0 C temperatures. Scab readings are reported in the miscellaneous column.

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		100	35.3	90		115							100		5
65			32.6	88		113							100		3
37				93		113							100		5
21			42.6	93		114							100	*	3
93				88		115							100		4
32			39.7	99		115							100		3
69				90		116							100		5
58			35.6	90		116							100	*	3
23			44.2	92		117							100	*	2
64				93		117							100		5
22			42.0	87		117							100	*	2
28				93		117							100		5
26				92		117							100		4
63				91		117							100		5
24				90		117							100		4
52				97		118							100		3
84				93		118							100		4
46			37.5	90		118							100		1
73				85		118							100		5
55			31.5	90		118							100		5
83			39.4	97		118							100		3
9				97		118							100		3
72				87		118							100		5
47				88		118							100		5
89				96		118							100		5
95			36.2	90		118							100		4

TABLE 3- 23. Entries Selected for Over All Agronomic Performance at Location 23 in Rainfall Zone 3

COUNTRY: China
STATE:
STATION: Beining
COOPERATORS: Heng-Li Wang

LATITUDE: 39°59'N LONGITUDE: 116°17'E ELEVATION: 54M
DATE PLANTED: 25/09/86 DATE HARVESTED: 28/06/87
MOISTURE: 249MMI TOTAL FERTILIZER: 229N 84P 42K
LOCAL CHECK VARIETY USED IN THIS NURSERY: Feng-Kang 2

COMMENTS: The winter was warm and both spring and harvest time were rainy. There were 67 days of below 0 C temperatures. Disease was prevalent due to the weather conditions.

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	6668.0	100	45.3	89		132						39	100	*	
27				97		107		5S				85	100		
22	3384.0	50	39.1	100		132	5R	5S				60	100	*	
10	4967.7	74	34.1	102		135	5R					59	100	*	
24				95		132		5S				69	100		
102				109		136	5R					39	100	*	
7	250.1	3	26.1	92		134						76	100	*	
93				97		137	5R					56	100		
29	5284.4	79	41.2	115		107		5S				70	96	*	
73				87		137						43	100		
9				101		135	5R	5R				81	97		
65				93		134	5R					61	92		
26				106		104		40S				58	100		
25				105		136		10S				59	100		
95	3567.4	53	35.3	100		137	5R	5MR				56	95	*	
59	6217.9	93	34.4	114		137		5R				57	93	*	
46				114		134	5R	5MS				65	88		
90				106		136	5R	5S				64	94		
53				98		139	5R					17	100		
47				107		136	5R					63	91		
83				98		140	5R					43	100		
31				105		138	5MR	5MS				54	100		
28	5167.7	77	41.2	102		106		5S				70	74	*	
39	2833.9	42	33.3	107		141	5R					54	100	*	
45	4584.3	68	36.4	90		137	5R	5S				74	85	*	
89				101		136	5R	5S				74	87		

TABLE 3- 24. Entries Selected for Over All Agronomic Performance at Location 24 in Rainfall Zone 3

COUNTRY: China
STATE: Hebei
STATION: Shi jia zhuang
COOPERATORS: Sun Fng Rui

LATITUDE: 38°03'N LONGITUDE: 114°28'E ELEVATION: 80M
DATE PLANTED: 10/10/86 DATE HARVESTED: 10/6/87
MOISTURE: 135MMI TOTAL FERTILIZER:
LOCAL CHECK VARIETY USED IN THIS NURSERY: Ji Mai 7 Hao

COMMENTS:

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		100		64	0	157									
65				86	0	153									
37				86	0	153									
21				78	0	153									
23				85	5	153									
24				76	10	153									
22				83	15	153									
53				80	0	154									
26				86	0	154									
56				76	0	154									
73				68	0	154									
63				73	0	154									
95				91	0	154									
72				69	0	154									
55				77	0	154									
94				92	5	154									
79				79	0	155									
92				85	0	155									
84				67	0	155									
25				86	0	155									
75				71	0	155									
93				93	0	155									
4				69	0	155									
46				99	10	155									
28				85	5	155									
27				78	15	155									

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

COUNTRY: China
STATE: Shandong
STATION: Shandong Agricultural University
COOPERATORS: Q. Q. Li, W. Y. Bao, A. F. Li

LATITUDE: 36°10'N LONGITUDE: 117°09'E ELEVATION: 129M
DATE PLANTED: 01/10/86 DATE HARVESTED: 13/06/87
MOISTURE: 391MMI TOTAL FERTILIZER: 295N 230P 127K
LOCAL CHECK VARIETY USED IN THIS NURSERY: Jinan 13

COMMENTS: It was a dry autumn and a warm winter. Rainfall was sparse in the spring, except in May. It was a cold spring. There were 113 days with below 0°C temperatures. Stripe and leaf rusts came late and infections were light. Powdery mildew and leaf spot diseases were minor.

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		100		93		120	S				6				
65				85		117									
21				94		119									
58				98		119									
4				82		120									
47				85		120									
53				85		123					6				
77				76		123	S				6				
26				96		122					6				
46				100		121									
55				80		123					6				
1				123		123	MS								
24				92		123									
73				85		123									
83				93		123									
84				80		123									
76				75		123	S								
23				95		123									
22				94		123									
37				85		119	S				8				
11				95		124					5				
56				82		124					6				
28				94		124					6				
50				95		124					6				
38				104		124					6				
3				74		123					8				

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

COUNTRY: China
STATE:
STATION: Wugong
COOPERATORS: Ning Kun

LATITUDE: 34°21'N LONGITUDE: 108°10'E ELEVATION: 455M
DATE PLANTED: 5/10/86 DATE HARVESTED: 17/06/87
MOISTURE: 299MMI TOTAL FERTILIZER: 40N 96P
LOCAL CHECK VARIETY USED IN THIS NURSERY: Shaan 7859

COMMENTS: The winter was drier and warmer than usual. The spring was colder and rainier than normal. There were 40 days of 0 C or below temperatures. There was serious infections of P. striformis, Septoria and mildew.

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		100		83	0	119	5R			9	5	73			
49				120	0	120	5R			9	3	75			
47	3520.0		39.2	105	0	121	5R			0	3	95			
62	2560.0		36.7	95	0	122	5R			9	3	95			
51				70	0	120	5R			9	5	95			
55	5120.0		36.4	95	0	120	5R			9	5	90			
24	7720.0		39.6	110	0	123	10MR			5	3	95			
21	6944.0		38.5	110	10	121	25MS			9	3	10			
22	7416.0		39.6	115	10	122	25MS			9	3	90			
23	6952.0		37.3	115	10	123	25MS			9	3	85			
102				125	0	129	00			3	3	85			
50	8656.0		39.3	120	10	129	5R			7	3	90			
61	6720.0		38.8	110	0	129	5R			9	1	90			
101				115	0	129	00			7	3	75			
95	3680.0		35.6	110	0	129	5R			7	3	95			
96				130	0	129	00			9	3	80			
57				100	0	122	99S			9	3	85			
38				125	0	129	5R			5	3	10			
90				125	0	128	9R			3	3	90			
45	2720.0		38.7	95	0	129	5R			9	3	10			
66	7040.0		37.8	120	0	123	5R			9	9	10			
52	5440.0		35.7	130	0	128	5R			9	5	90			
44				95	0	129	5R			9	3	95			
54				85	0	129	5R			9	3	80			
82				100	0	122	25MR			9	5	80			
29				125	10	129	00			9	3	90			

TABLE 3- 27. Entries Selected for Over All Agronomic Performance at Location 27 in Rainfall Zone 1

COUNTRY: China
STATE:
STATION: Henan Wheat Res. Inst.
COOPERATORS: Zhao De Fang

LATITUDE: 34°49'N LONGITUDE: 113°40'E ELEVATION: 81M
DATE PLANTED: 08/10/86 DATE HARVESTED: 01/06/87
MOISTURE: 187MM TOTAL FERTILIZER: 190N 50P 12K
LOCAL CHECK VARIETY USED IN THIS NURSERY: Bao Feng 7228

COMMENTS: Winter was mild. Rainfall was above normal in the spring. There were 24 days with below 0°C temperatures. Powdery mildew and stripe rust infections were more than usual. There were some aphid problems.

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	3282.0	100	32.0	77		108	10S				0				
65	2615.6	79	26.4	93		107	1R				0			*	
56	3307.0	100	28.8	100		111	0				6			*	
55				102		111	0				6				
83	3781.8	115	26.2	106	10	111	10MS				0			*	
52				115		110	5MR				6				
101				103		114	0				0				
64	3865.1	117	32.1	100		114	1R				0			*	
23	3531.9	107	32.2	106		112	5MS				0			*	
72				96		112	1M				6				
22	3365.3	102	31.6	105	5	112	10MS				0			*	
3	2648.9	80	23.0	86		106	10MS				6				
7	3315.3	101	26.6	90		114	0				2			*	
84	2290.7	69	19.0	90		112	5M				0			*	
32				106		111	5MS				5				
73				98		112	1MS				6				
93				102		113	0				6				
37	3223.7	98	31.4	100		111	1MR				7			*	
58	3073.8	93	24.8	120		108	10S				6			*	
10				102		113	1MR				6				
21	3148.7	95	32.8	112		112	10MR				6			*	
70				105		114	0				4				
47				102		109	10S				6				
89	3198.7	97	34.0	108		113	5M				6			*	
53				94		114	0				6				
24				107	5	113	10MS				0				

TABLE 3- 32. Entries Selected for Over All Agronomic Performance at Location 32 in Rainfall Zone 3

COUNTRY: Ecuador
STATE:
STATION: Sta. Catalina-INIAP
COOPERATORS: INIAP/CIMMYT

LATITUDE: 00°22'S LONGITUDE: 78°33'W ELEVATION: 3058M
DATE PLANTED: 25/02/86 DATE HARVESTED:
MOISTURE: MM TOTAL FERTILIZER: 100N 120P
LOCAL CHECK VARIETY USED IN THIS NURSERY: Aitar

COMMENTS: BYDV recorded in the miscellaneous column as a percentage.

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		100		83			10MS								
16				65			1R								
15				70			1R								
14				80			1R							*	
41				20									100		
48				20									95		
39				30									90		
9				60			10MR								
62				35									70		
4				60			10S								20
55				50									50		
86				20									40		30
24				30									40		
90				20			10S						20		20
56				65			20S								
57				75			20S								
23				35									20		
22				35									20		
1				75			40S								10
42				50			40S		1S						
2				50			30S						15		10
11				50			60S								
21				45									10		20
3				55			60S								
61				50									10		
88				70					1S				10		20

TABLE 3- 41. Entries Selected for Over All Agronomic Performance at Location 41 in Rainfall Zone 1

COUNTRY: Greece
STATE:
STATION: Cereal Institute
COOPERATORS: S. Stratilakis, D. Gogas

LATITUDE: 40°38'N LONGITUDE: 22°57'W ELEVATION: 10M
DATE PLANTED: 24/11/86 DATE HARVESTED: 14/07/87
MOISTURE: 325MM TOTAL FERTILIZER: 180N 40P
LOCAL CHECK VARIETY USED IN THIS NURSERY: Dio

COMMENTS: It was very dry during December with frost in January (13 days below 0 C). In the beginning of March there were 12 days of below 0 C temperatures. There were a total of 40 days with temperatures below 0 C. There was a moderate infection of stem rust. Days to maturity are listed in the miscellaneous column.

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	3191.4	100		93		166			0		0	30	50		205
26	5613.7	175		108		163			20MS		0	50	30	*	205
23	5152.3	161		105		163			20MS		0	50	30	*	204
64	4383.3	137		98		164			0		0	40	30		205
25	5767.5	180		110		166			20MS		0	50	30	*	205
92	4460.2	139		95		167			0		0	40	30	*	212
22	4844.7	151		104		164			20MS		0	50	30	*	203
93	4229.5	132		100		168			0		0	40	40		209
24	4383.3	137		116		163			10MS		0	50	30		204
47	4614.0	144		115		168			0		0	40	30	*	205
52	5229.2	163		100		166			30MS		0	40	30	*	207
69	4844.7	151		115		165			40MS		0	30	30	*	208
28	5613.7	175		105		164			80MS		0	40	40	*	205
79	4921.6	154		102		169			0		0	40	30	*	208
29	5998.2	187		95		167			70MS		0	40	40		209
53	4075.7	127		90		168			0		0	40	30		205
73	4075.7	127		90		168			20MS		0	30	40		208
21	3845.0	120		103		162			50MS		0	50	30		203
72	3998.8	125		96		168			10MS		0	30	40		208
63	4614.0	144		95		165			0		0	30	20		208
65	3998.8	125		96		163			80MS		0	40	40		204
101	4383.3	137		108		170			0		0	40	30	*	209
46	4614.0	144		112		167			60MS		0	40	30	*	205
32	5690.6	178		116		168			0		0	30	20	*	208
58	2922.2	91		121		168			0		0	50	30		208
89	4075.7	127		110		168			20MS		0	40	30		211

TABLE 3- 43. Entries Selected for Over All Agronomic Performance at Location 43 in Rainfall Zone 2

COUNTRY: Hungary
STATE:
STATION: Cereal Res. Inst.-Szeged
COOPERATORS: Dr. Zoltan Barabas

LATITUDE: 46° 'N LONGITUDE: 20° 'E ELEVATION: 80M
DATE PLANTED: 20/10/86 DATE HARVESTED: 20/07/87
MOISTURE: 436MM TOTAL FERTILIZER: 100N 100P 100K
LOCAL CHECK VARIETY USED IN THIS NURSERY:

COMMENTS: Extremely dry fall. Heavy disease development.

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		100													
23				80		147					5			*	
22				85		147					5			*	
24				90		148		10MS	30MR		5				
25				90		149			80MR		5				
29				95		151		5MS			5			*	
84				90		151		10MR	40MR		5				
26				85		148			60		5				
46				100		150			80MR		5				
32				90		151		30MS	40MR		5				
27				80		149			60		5				
50				90		151			60MR		5				
47				100		150			40MR		7				
64				75		150		10MS	60MR		7				
73				80		151			40MS		5				
79				90		151		5MS	40MR		7				
72				85		150		5MR	60MS		7				
55				75		150			60S		5				
89				85		150			60MR		7				
31				95		151		60MS	30MR		7				
28				85		149			80		5				
21				85		147			99S		5				
37				90		147			80MS		7				
57				80		151			60MR		7				
58				90		152		1MS	80MR		5				
63				75		152		10MR	40MR		7				

TABLE 3- 46. Entries Selected for Over All Agronomic Performance at Location 46 in Rainfall Zone 3

COUNTRY: Iran
STATE:
STATION: Karaj Central Res. Sta.
COOPERATORS: N. Banisadr

LATITUDE: 50°35'N LONGITUDE: 58°50'E ELEVATION: 1300M
DATE PLANTED: 19/10/86 DATE HARVESTED: 07/07/87
MOISTURE: 250MMI TOTAL FERTILIZER: 120N 60P
LOCAL CHECK VARIETY USED IN THIS NURSERY:

COMMENTS: There was a short spring with very high temperatures at maturity and good rust development.

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	4969.2	100				123	80S								
65	6203.1	124		85		116									
64	6836.8	137		90		122									
66	5602.8	112		95		120									
75	4735.7	95		80		122	30S								
69	4735.7	95		95		118									
76	4735.7	95				119	30S								
47	4302.2	86		90		122	20S								
94	4569.0	91				122									
72	4468.9	89		75		122									
56	4268.8	85		80		122									
4	6069.7	122		60		123									
46	3835.3	77		85		122	40S								
55	4235.5	85		80		122									
79	5736.2	115				124									
84	5903.0	118				124									
85	5969.7	120				124									
77	4669.0	93				124	40S								
102	5069.2	102		95		123									
92	4002.0	80				122									
89	4002.0	80				122									
37	3968.7	79		85		122									
93	3968.7	79				122									
21	4669.0	93		85		123									
73	3535.1	71		75		122									
						124									

TABLE 3- 49. Entries Selected for Over All Agronomic Performance at Location 49 in Rainfall Zone 2

COUNTRY: Jordan
STATE:
STATION: University Campus-Jubeiha
COOPERATORS: M. Dunayri, F. Shqaidef

LATITUDE: 32°01'N LONGITUDE: 35°52'E ELEVATION: 980M
DATE PLANTED: 14/01/86 DATE HARVESTED: 26/06/87
MOISTURE: 560MMI TOTAL FERTILIZER: 200N 60P
LOCAL CHECK VARIETY USED IN THIS NURSERY: Hourani

COMMENTS: It was a wet cold growing season. Weeds and birds were a problem

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	830.0	100		91											
65	4300.0	518		84											
53	4000.0	481		77											
37	4000.0	481		103											
93	4000.0	481		81											
58	4000.0	481		105											
75	3750.0	451		82											
44	3500.0	421		68											
66	3400.0	409		93											
77	3400.0	409		79											
87	3300.0	397		83											
76	3200.0	385		74											
92	3200.0	385		82											
56	3100.0	373		64											
84	3100.0	373		82											
72	3000.0	361		73											
61	3000.0	361		72											
71	3000.0	361		72											
83	2900.0	349		94											
59	2900.0	349		96											
57	2850.0	343		85											
3	2850.0	343		75											
42	2850.0	343		75											
68	2800.0	337		76											
43	2800.0	337		65											
35	2800.0	337		95											

TABLE 3- 51. Entries Selected for Over All Agronomic Performance at Location 51 in Rainfall Zone 2

COUNTRY: Korea
STATE:
STATION: Wheat and Barley Res. Inst.
COOPERATORS: Chon Suk Park

LATITUDE: 36°19'N LONGITUDE: 126°59'E ELEVATION: 37M
DATE PLANTED: 02/10/86 DATE HARVESTED: 30/06/87
MOISTURE: 573MM TOTAL FERTILIZER: 120N 90P 70K
LOCAL CHECK VARIETY USED IN THIS NURSERY: Eunpamil

COMMENTS: The growing conditions were good. There were 121 days of below 0 C temperatures.

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	6450.0	100	35.0	93	43	132				3			95		
26	8975.0	139	42.6	120	90	141				3			95		
63	6975.0	108	37.2	100	25	141				3			95		
22	7225.0	112	40.5	115	90	141				3			95		
23	5675.0	87	41.0	110	85	140				3			95		
21	5400.0	83	41.0	105	65	139				3			95		
64	5875.0	91	36.0	105	80	141				3			95		
76	4850.0	75	31.4	95		138				3			95		
75	4950.0	76	38.4	105	30	139				3			95		
24	5450.0	84	38.9	110	90	141				3			95		
85	9300.0	144	40.5	115	45	142				3			95		
52	5225.0	81	39.6	125	15	141				3			95		
77	4575.0	70	29.4	95		139				3			95		
56	5400.0	83	31.4	100	80	141				3			95		
11	7850.0	121	45.8	105		142				3			95		
84	5225.0	81	29.4	95		141				3			95		
55	5300.0	82	37.5	105	30	141				3			95		
25	8350.0	129	39.6	125	90	142				3			95		
93	5025.0	77	34.4	120	50	141				3			95		
79	6400.0	99	41.6	105	5	142				3			95		
66	6500.0	100	40.0	120	70	142				3			95		
29	6550.0	101	39.0	120	90	142				3			95		
42	6600.0	102	38.0	95	80	142				3			95		
92	4625.0	71	39.4	115	45	141				3			95		
83	7850.0	121	40.0	120		143				3			95		
69	2150.0	33	38.4	125	10	140				1			95		

TABLE 3- 54. Entries Selected for Over All Agronomic Performance at Location 54 in Rainfall Zone 3

COUNTRY: Mexico
STATE: Sonora
STATION: Ciano
COOPERATORS: S. Rajaram and CIMMYT

LATITUDE: 27°20'N LONGITUDE: 109°54'W ELEVATION: 38M
DATE PLANTED: DATE HARVESTED:
MOISTURE: MMI TOTAL FERTILIZER:
LOCAL CHECK VARIETY USED IN THIS NURSERY:

COMMENTS: In the miscellaneous column a combined maturity and vernalization score is recorded: 1 = fully headed and yellow, 2 = fully headed and yellowish green, 3 = fully headed and green, 4 = 50% headed, 5 = vegetative.

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		100						60S							2
43									1R						4
69								1R							4/5
12								1R							3
98								1R							5
53								1R							3
36								1R							4
91									1MS						5
75									5R						3
83									5MR						2
44									5MR						4
34								1MR							5
76								5R							3
73									10MR						3
72								5MR							4
45								5MR							4
63								5MR							5
39								5MR							5
77								5MR							3
17								5MR							5
42								10R							3
8								5MR							5
87									20MR						3
48								5MS	5MS						5
49									10S						3
90								5MS	5MS						5

TABLE 3- 55. Entries Selected for Over All Agronomic Performance at Location 55 in Rainfall Zone 3

COUNTRY: Mexico
STATE:
STATION: Cimmyt, Tocula
COOPERATORS: Cimmyt staff

LATITUDE: 99°51'N LONGITUDE: 19°16'N ELEVATION: 2640M
DATE PLANTED: DATE HARVESTED:
MOISTURE: MM TOTAL FERTILIZER: 50N 60P
LOCAL CHECK VARIETY USED IN THIS NURSERY:

COMMENTS: There was BYDV and rusts. BYDV on a scale of 0-5 and frost damage (0-3) are recorded in the miscellaneous column.

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		100													
84				70		159		1MS						3	2
58				95		163								3	2
53				85		166		1MR	10R					3	2
72				70		160			15MS					3	3
73				70		160			15MS					3	2
59				90		168								3	2
65				75		160		5MR						2	1
83				95		172		1MS						2	2
47				90		168		5MS						3	2
64				95		176		1R						2	2
52				85		163		5MR	60S					3	2
29				90		172								3	1
77				65		157		30MS	20R					3	2
89				90		171		5MS						2	2
75				70		157		10MS	60MR					2	2
6				75		174		1MR	30MS					3	2
76				70		156		15MS	40MR					3	3
50				105		171		5MS	40S					2	2
69				95		174		1MR	40S					2	2
93				85		177		1R						4	2
38				105		172		5MS	40S					3	3
14				85		173								2	2
85				90		176		5MS	5R					2	3
3				68		159			90S					3	3
12				75		174			40S					3	2

TABLE 3- 59. Entries Selected for Over All Agronomic Performance at Location 59 in Rainfall Zone 2

COUNTRY: New Zealand
STATE:
STATION: Lincoln Research Center
COOPERATORS: W. B. Griffin

LATITUDE: 43°38'S LONGITUDE: 172°30'E ELEVATION: 11 M
DATE PLANTED: 13/05/86 DATE HARVESTED:
MOISTURE: 621MM TOTAL FERTILIZER: 100N
LOCAL CHECK VARIETY USED IN THIS NURSERY: Tui, Kotore

COMMENTS: Winter was very wet and the spring was early which caused considerable nutrient leaching. From midsummer drought conditions occurred. Disease development was good. There were 86 ground frosts.

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		100					30S	15S		6	5				
35							0	0		0	0				
7							0	0		0	0			*	
84							0	0		0	0			*	
30							0	0		0	0				
18							0	0		0	0				
15							0	0		0	0			*	
17							0	0		0	0				
85							0	0		0	0				
96							10S	0		0	0				
82							10S	0		0	0			*	
42							10S	0		0	0				
62							10S	0		0	0				
61							10S	0		0	0			*	
97							10S	0		0	0				
21							20S	0		0	0				
89							20S	0		0	0				
6							20S	0		0	0				
76							20S	0		0	0				
75							20S	0		0	0				
23							20S	0		0	0				
77							20S	0		0	0				
24							30S	0		0	0				
38							30S	0		0	0				
34							30S	0		0	0				
98							30S	0		0	0				

TABLE 3- 60. Entries Selected for Over All Agronomic Performance at Location 60 in Rainfall Zone 3

COUNTRY: Pakistan
STATE:
STATION: Hill Agricultural Res. Sta. - Kagham
COOPERATORS: Sajjad Hussain and Staff

LATITUDE: 34°78'N LONGITUDE: 73°57'E ELEVATION: 2103M
DATE PLANTED: 25/10/86 DATE HARVESTED: 03/08/87
MOISTURE: MMI TOTAL FERTILIZER: 140N 70P
LOCAL CHECK VARIETY USED IN THIS NURSERY: PAK-81

COMMENTS: There was frequent rain and heavy snowfall. Hail and wind storms occurred once during May and twice during June. There were 26 days of below 0°C temperatures.BYDV is in the miscellaneous column.

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	549.4	100	48.0	60		203	10S					85	98		
32	599.4	109	40.0	70		192						85	85		
55	566.1	103	39.0	68		195						85	90		
22	546.1	99	31.0	50		196						75	90		
57	652.7	118	49.0	85		199						95	90	*	
69	400.3	72	50.0	76		198						85	94	*	
54	552.8	100	45.0	78		200						95	92	*	
1	486.8	88	36.0	70		197	20S					85	78		
83	433.6	78	44.0	78		196						85	80	*	
84	466.2	84	43.0	64		200						85	85		
48	600.7	109	51.0	84		202						95	95	*	
46	466.2	84	42.0	74		200						85	80		
14	454.2	82	49.0	56		198						95	75		
72	333.0	60	40.0	60		199						85	85		
71	334.3	60	40.0	68		200						85	90		
45	466.9	84	40.0	70		201						95	90		
7	399.6	72	41.0	58		199						85	75		
56	373.6	67	38.0	64		200						85	85		
38	333.0	60	41.0	88		199						95	80		
53	533.5	97	40.0	72		201						85	80		
4	383.6	69	40.0	65		197						85	70		
28	480.2	87	36.0	82		200						85	70		
41	333.7	60	40.0	58		198						85	75		
2	460.2	83	43.0	65		203	10S					85	75		
29	499.5	90	32.0	45		197						85	55		
90	334.3	60	40.0	75		194						85	65		

TABLE 3- 62. Entries Selected for Over All Agronomic Performance at Location 62 in Rainfall Zone 3

COUNTRY: Peru
STATE:
STATION: El Montaro
COOPERATORS: J. Calderon C., J. Mandujano M.

LATITUDE: 12°04'S LONGITUDE: 75°12'W ELEVATION: 3325M
DATE PLANTED: 17/06/86 DATE HARVESTED: 08/07/87
MOISTURE: MMI TOTAL FERTILIZER: 12N 12P 12K
LOCAL CHECK VARIETY USED IN THIS NURSERY: Chumpi BN

COMMENTS: Aphids. BYDV score (0-9) recorded in the miscellaneous column.

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		100		139		148	50S								5
84				72		131									
55				80		131									
58				77		132									
83				82		133									5
32				75		133									
3				70		127	40S								
89				92		135									
53				70		134	5R								
49				91		135									
51				87		136									
52				70		137									
42				90		137									3
101				95		137									
75				73		142	1R								
56				74		138									1
85				80		138									
28				80		144	1R								5
77				70		139									3
37				71		139									
76				71		139									
50				69		139									
59				73		139									
1				118		142	25S								
69				106		145	1R								3
99				90		140									

TABLE 3- 66. Entries Selected for Over All Agronomic Performance at Location 66 in Rainfall Zone 2

COUNTRY: Portugal
STATE:
STATION: National Plant Breeding Sta. Alentejo
COOPERATORS: Cereal Staff

LATITUDE: 38°54'N LONGITUDE: 7°09'W ELEVATION: 208M
DATE PLANTED: 29/10/86 DATE HARVESTED: 22/06/87
MOISTURE: 499MM TOTAL FERTILIZER: 140N 84P 50K
LOCAL CHECK VARIETY USED IN THIS NURSERY: Marius

COMMENTS: Good rainfall distribution except during May. There was snow on February 29th.

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		100		110	20	159		20S	20S	5		90			
49				113	30	154		0	0	5		75			
38				111	60	152		0	0	6		75			
58				103	50	141		0	1MR	7		75			
50				111	20	153		1MR	0	6		80			
51				111	30	155		0	1MR	5		75			
52				112	40	148		0	1MR	7		80			
47				102	50	148		0	1MR	7		90			
69				108	50	154		0	1MR	6		85			
28				115	30	151		5MR	1MR	6		85			
55				99	20	147		0	0	7		75			
46				109	70	148		0	0	7		90			
70				120	20	155		1MR	0	6		80			
99				93	20	158		0	0	6		70			
102				111	30	158		0	0	6		70			
89				110	30	154		10MR	1MR	5		90			
96				113	30	159		0	0	6		80			
4				96	20	151		5MR	1MR	7		80			
72				100	10	153		0	0	7		80			
85				100	30	153		0	0	7		90			
11				114	30	158		0	1MR	6		75			
73				105	10	142		20S	0	7		80			
65				99	30	141		1MR	0	8		85			
29				110	40	153		5MR	1MR	7		85			
30				106	30	162		0	0	5		90			
57				110	20	160		0	0	6		90			

TABLE 3- 70. Entries Selected for Over All Agronomic Performance at Location 70 in Rainfall Zone 1

COUNTRY: Spain
STATE:
STATION: La Orden
COOPERATORS: J. Montero De Espinosa et al.

LATITUDE: 38°49'N LONGITUDE: 06°39'W ELEVATION: 200M
DATE PLANTED: 10/11/86 DATE HARVESTED: 15/07/87
MOISTURE: 286MM TOTAL FERTILIZER: 79N 60P 60K
LOCAL CHECK VARIETY USED IN THIS NURSERY: Astral

COMMENTS:

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	4123.0	100				103									
21	5852.0	141				96									
32	5320.0	129				98									
28	5054.0	122				98									
83	4788.0	116				98									
65	4208.1	102	79.5			88									
4	4389.0	106				96								*	
95	5852.0	141				99									
92	5586.0	135				99									
46	4256.0	103				98									
50	4256.0	103				98									
89	6118.0	148				100									
42	5729.6	138	78.5			100								*	
84	4149.6	100	79.0			97								*	
93	5586.0	135				100									
30	5586.0	135				100									
37	3670.8	89	83.5			89								*	
38	3990.0	96				97									
56	4048.5	98	81.0			98								*	
101	5320.0	129				100									
26	3724.0	90	81.0			98								*	
47	3724.0	90				98									
24	4522.0	109				99									
69	3489.9	84	81.5			98								*	
52	3458.0	83				98									
3	3325.0	80				92									

TABLE 3- 72. Entries Selected for Over All Agronomic Performance at Location 72 in Rainfall Zone 1

COUNTRY: Syria
STATE:
STATION: ICARDA
COOPERATORS: M. Tahir

LATITUDE: 36°05'N LONGITUDE: 36°55'E ELEVATION: 282M
DATE PLANTED: 21/11/86 DATE HARVESTED: 1/07/87
MOISTURE: MM TOTAL FERTILIZER:
LOCAL CHECK VARIETY USED IN THIS NURSERY: Shamz

COMMENTS: Days to maturity are recorded in the miscellaneous column.

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	1467.4	100		70		135									165
37	2067.7	140		80		132									163
58	1667.5	113		95		133									167
75	1800.9	122		65		135									170
4	1634.2	111		70		133									167
3	1600.8	109		70		133									168
26	1534.1	104		80		132									167
38	1600.8	109		80		135									166
21	1600.8	109		80		135									168
59	1534.1	104		90		135									166
79	1534.1	104		70		135									167
28	1467.4	100		70		135									167
89	1734.2	118		75		136									168
1	1467.4	100		88		135									169
97	1667.5	113		80		136									170
65	1334.0	90		70		133									169
47	1400.7	95		75		135									170
10	1400.7	95		70		135									168
90	1600.8	109		80		136									169
11	2334.5	159		70		138									168
13	1800.9	122		75		138									169
44	1867.6	127		70		138									168
42	1334.0	90		75		135									169
25	1334.0	90		80		135									168
63	1534.1	104		65		136									169
45	1734.2	118		65		138									168

TABLE 3- 82. Entries Selected for Over All Agronomic Performance at Location 82 in Rainfall Zone 3

COUNTRY: USA
STATE: Arkansas
STATION: Fayetteville
COOPERATORS: R. R. Bacon

LATITUDE: 36°06'N LONGITUDE: 94°10'W ELEVATION: 412M
DATE PLANTED: 3/10/86 DATE HARVESTED: 25/06/87
MOISTURE: 700MM TOTAL FERTILIZER: 112N
LOCAL CHECK VARIETY USED IN THIS NURSERY: Rosen

COMMENTS: The spring was drier than normal and there was very little disease development. There were 14 days of below 0 C temperatures.

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	1238.9	100		63	0							90	65		
101	2306.9	186		65	0							95	100		
91	2164.5	174		67	0							75	100		
92	1965.1	158		59	0							85	100		
21	1908.2	154		59	0							70	100		
16	1708.8	137		58	0							70	100		
84	1694.6	136		53	0							90	100		
13	1651.8	133		70	0							60	100		
11	1708.8	137		61	50							80	100		
99	1609.1	129		66	0							90	100		
25	1552.2	125		66	0							40	100		
90	1466.7	118		64	0							70	100		
98	1481.0	119		63	0							85	100		
71	1381.3	111		58	0							85	100		
87	1367.0	110		64	0							85	100		
70	1352.8	109		63	0							60	100		
85	1281.6	103		65	0							60	100		
22	1267.4	102		66	0							70	100		
23	1295.8	104		67	0							70	100		
33	2136.0	172		66	0							70	95		
74	1908.2	154		67	0							90	95		
1	1851.2	149		78	0							65	98		
81	1224.6	98		55	0							95	100		
86	1139.2	91		66	0							70	100		
76	1609.1	129		57	0							95	95		
97	1609.1	129		75	0							90	95		

TABLE 3- 95. Entries Selected for Over All Agronomic Performance at Location 95 in Rainfall Zone 3

COUNTRY: USA
STATE: Oregon
STATION: Corvallis
COOPERATORS: W.E. Kronstad

LATITUDE: 45°30'N LONGITUDE: 123°30'W ELEVATION: 68M
DATE PLANTED: 14/10/86 DATE HARVESTED: 29/07/87
MOISTURE: 1030MM TOTAL FERTILIZER: 190N
LOCAL CHECK VARIETY USED IN THIS NURSERY: Stephens

COMMENTS: Normal.

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	5653.0	100			0	132				5					
90	3669.0	64			80	119				4					
89	3294.0	58			80	119				4					
84	5768.0	102			50	119				5					
26	3314.0	58			90	119				4					
69	2949.0	52			90	119				4					
7	6272.0	110			0	126				4					
65	4089.0	72			70	117				5					
66	4087.0	72			60	122				4					
22	2019.0	35			90	119				4					
94	3955.0	69			70	122				4					
56	3969.0	70			70	119				5					
9	3743.0	66			90	119				5					
63	4507.0	79			70	126				4					
16	4513.0	79			80	126				4					
15	4393.0	77			80	126				4					
99	5888.0	104			0	127				4					
25	3413.0	60			70	122				4					
17	4370.0	77			0	126				4					
58	3423.0	60			90	117				5					
93	2978.0	52			80	120				4					
3	3357.0	59			85	117				5					
72	3322.0	58			80	122				4					
29	3537.0	62			50	124				4					
33	2617.0	46			70	120	70S			4					
37	3357.0	59			70	119				5					

TABLE 3- 96. Entries Selected for Over All Agronomic Performance at Location 96 in Rainfall Zone 1

COUNTRY: USA
STATE: Oregon
STATION: Moro
COOPERATORS: W.E. Kronstad

LATITUDE: 45°29'N LONGITUDE: 120°43'W ELEVATION: 187M
DATE PLANTED: 28/09/86 DATE HARVESTED: 15/07/87
MOISTURE: 281MM TOTAL FERTILIZER: 55N
LOCAL CHECK VARIETY USED IN THIS NURSERY: Stephens

COMMENTS: Normal.

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	4544.0	100													
57	5052.0	111													
12	5028.0	110													
15	4969.0	109													
84	4868.0	107													
61	4802.0	105													
53	4725.0	103													
72	4673.0	102													
43	4654.0	102													
77	4642.0	102													
8	4639.0	102													
74	4634.0	101													
16	4628.0	101													
48	4591.0	101													
4	4550.0	100													
95	4533.0	99													
73	4494.0	98													
78	4456.0	98													
65	4454.0	98													
101	4444.0	97													
62	4436.0	97													
94	4430.0	97													
44	4388.0	96													
36	4368.0	96													
76	4358.0	95													
7	4358.0	95													

TABLE 3- 97. Entries Selected for Over All Agronomic Performance at Location 97 in Rainfall Zone 2

COUNTRY: USA
STATE: Oregon
STATION: Pendleton
COOPERATORS: W. E. Kronstad

LATITUDE: 45°30'N LONGITUDE: 118°26'W ELEVATION: 454M
DATE PLANTED: 08/10/86 DATE HARVESTED: 22/07/87
MOISTURE: 406MM TOTAL FERTILIZER: 109N 22S
LOCAL CHECK VARIETY USED IN THIS NURSERY: Stephens

COMMENTS: Normal.

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	8264.0	100													
61	8714.0	105													
75	8572.0	103													
55	8426.0	101													
79	8319.0	100													
65	8299.0	100													
74	8165.0	98													
76	8093.0	97													
3	8033.0	97													
8	7953.0	96													
73	7829.0	94													
72	7818.0	94													
77	7744.0	93													
44	7696.0	93													
63	7684.0	92													
56	7635.0	92													
84	7612.0	92													
82	7575.0	91													
53	7532.0	91													
7	7434.0	89													
45	7300.0	88													
36	7136.0	86													
4	7121.0	86													
78	7065.0	85													
27	7003.0	84			5										
95	6973.0	84			5										

TABLE 3-104. Entries Selected for Over All Agronomic Performance at Location 104 in Rainfall Zone 1

COUNTRY: Yemen Arab Rep.
STATE:
STATION: Central Highland Regional Station
COOPERATORS: A. Hakimi, M. Saqir, S. Sholan

LATITUDE: 14°36'N LONGITUDE: 44°21'E ELEVATION: 2330M
DATE PLANTED: 2/12/86 DATE HARVESTED: 25/05/87
MOISTURE: MM TOTAL FERTILIZER: 120N 60P
LOCAL CHECK VARIETY USED IN THIS NURSERY: Marer-1(Pavon 76

COMMENTS: Stripe rust was the major disease problem. There was some aphid infestation. Days to maturity are recorded in the miscellaneous column.

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		100		76		56	40MS							*	120
73				60		62	0							*	125
28				117		66	0								
79				70	40		0								
47				65		67	0							*	125
34				70	50		0								
97				80	60		0								
22				82	60		0								
88				70	60		0								
101				87		70	0							*	125
32				92		76	0							*	129
66				112		76	0							*	125
14				82		76	0								
30				85		76	0								
86				60	80		0								
95				75	80		0								
23				80	80		0								
31				82	80		0								
94				70	80		0								
96				80	80		0								
53				72		77	0							*	128
35				107		77	0							*	125
33				75	90		0								
48				55	90		0								
98				85	90		0								
99				87		79	0								

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

COUNTRY: Argentina
STATE:
STATION: Criadero ACA - Cabildo
COOPERATORS: R. Miranda and A. Junquera

LATITUDE: 38°29'S LONGITUDE: 61°54'W ELEVATION: 159M
DATE PLANTED: 7/06/86 DATE HARVESTED: 11/12/86
MOISTURE: 372MM TOTAL FERTILIZER: 18N 46P
LOCAL CHECK VARIETY USED IN THIS NURSERY: Coop. Bahia

COMMENTS: Plant development was normal. There were 37 days of below 0°C temperatures. There was a moderate infection of leaf rust.

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	3244.1	100	83.7	103		300				3					
23	4366.2	134	82.2	83		296		1R		1				*	
66	5466.1	168	80.8	102		297		1R	1R	1				*	
10	4266.2	131	75.9	94		296			1R	1					
89	4310.7	132	79.9	95		294		10MR	1R	1					
28	4599.5	141	81.1	92		297		1R	1R	0				*	
85	4799.5	147	82.9	92		297				1					
30	4877.3	150	81.9	92		297				1				*	
63	3699.6	114		93		296				1					
49	3588.5	110	80.4	98		293		10MR		1				*	
67	3966.3	122		108		297			1R	1					
27	3810.7	117	79.9	90		297			1R	0				*	
7	2899.7	89		80		294				1					
64	5177.3	159	79.9	98		295		1R		2					
26	4955.1	152	79.9	92		296		20MS		1				*	
69	2677.5	82		100		295	10MR			1					
94	4477.3	138	81.5	83		298	60S		1R	1				*	
101	4144.0	127	77.0	98		297		20MR	1R	1					
21	3121.9	96		95		293		40MS		1					
92	3088.6	95		80		297	60S			1					
4	1966.5	60		78		288		1R	1R	2					
29	3821.8	117	80.4	90		297			10MR	1				*	
32	2977.5	91		90		297				1					
42	4144.0	127	77.0	82		295		1MR	1R	3					
102	3610.7	111	78.6	97		297	60MS	5R		1					
11	4166.2	128	75.9	95		296		5MR	1MR	2					

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

Entry Number	Minimum-Maximum/Number of Locations Reporting for the Following Trait: Yield (Kg/Ha)	Days to Flower From Jan 1	Winter Hardiness (%)	Puccinia Striiformis	Puccinia Recondita	Puccinia Graminis	Septoria (0-9)	Mildew (0-9)
61	254- 9746/18	108-302/24	10- 98/ 8	0 -10S / 7	0 -10MS/ 7	0 -80S / 7	0-9/ 8	0-5/ 6
11	653- 7850/19	101-296/24	30-100/ 7	0 -20X / 8	0 -80S / 9	1MR-80S / 9	0-9/ 8	0-8/ 7
63	626- 7684/19	101-296/24	10- 98/ 8	0 -99S / 7	0 -60S / 9	0 -20MS/ 7	0-9/ 8	0-7/ 6
64	632- 7913/19	100-296/24	5-100/ 8	0 -99S / 7	0 -60S / 9	0 -60MR/ 6	0-9/ 8	0-7/ 6
85	439- 9300/18	80-300/25	30-100/ 7	0 -99S / 8	0 -30MS/ 9	0 -40MR/ 7	0-9/ 8	0-8/ 6
66	233- 7040/19	76-300/25	30-100/ 7	0 -10S / 8	0 -50X / 9	0 -80X / 8	0-9/ 8	5-9/ 7
84	466- 8163/19	85-301/25	30-100/ 7	0 -99S / 6	0 -20MS/ 8	0 -40MR/ 7	0-9/ 8	0-5/ 6
79	233- 9162/19	108-301/24	30-100/ 7	0 -50MS/ 7	0 - 5MS/ 9	0 -40MR/ 8	2-9/ 8	0-7/ 6
99	432- 8413/16	79-300/24	30-100/ 7	0 -10MS/ 6	0 -80S / 9	0 -20S / 6	1-9/ 7	0-7/ 6
76	299- 8329/17	67-302/25	30-100/ 7	0 -99S /10	0 -15MS/ 7	10R -90S / 9	0-9/ 8	0-9/ 6
45	466- 7300/20	111-307/24	20-100/ 7	0 -40S / 7	0 -60S / 9	1R -60S / 9	2-9/ 8	0-4/ 6
83	433- 7850/19	86-297/25	30-100/ 7	0 -30S / 7	0 - 1MS/ 5	0 -60MR/ 7	2-9/ 8	0-7/ 6
16	267- 9162/18	104-302/24	30-100/ 7	1R -70S /10	0 - 5MS/ 8	10R -70X / 9	0-9/ 8	0-7/ 6
13	266- 8913/18	108-303/24	30-100/ 7	0 -80S / 9	0 -30MS/ 9	0 - 1MS/ 5	0-9/ 8	0-8/ 7
62	266- 7663/18	107-300/24	20- 98/ 8	0 -10S / 6	0 -10MS/ 8	1MR-60X / 8	0-9/ 8	0-7/ 6
101	299- 8746/17	70-299/25	30-100/ 7	0 -10S / 6	0 -60S /10	0 -40MS/ 8	0-7/ 8	0-7/ 6
15	517- 8746/18	104-302/24	40-100/ 7	0 -70S /10	0 - 5MS/ 8	1MR-70S / 8	0-9/ 8	0-7/ 6
44	520- 8746/18	111-310/24	20- 98/ 7	0 -20S / 6	0 -60S / 9	1R -80MS/10	3-9/ 8	0-7/ 6
75	300- 8572/19	69-302/25	30- 98/ 7	0 -99S /10	0 -10MS/ 6	1R -99S /11	0-9/ 8	0-9/ 7
74	266- 8165/18	117-311/24	5-100/ 8	0 -70S / 8	0 -10MS/ 8	0 -90S / 9	0-6/ 8	0-9/ 6
65	386- 8299/18	83-290/25	40-100/ 7	0 -99S / 7	0 -10MS/ 7	0 -70X / 5	2-9/ 8	0-7/ 6
92	321- 9000/18	99-298/24	30-100/ 7	0 -99S / 6	0 - 5MS/ 4	0 -80MR/ 5	0-9/ 8	0-7/ 6
78	454- 7925/17	112-311/24	20- 95/ 7	0 -30S / 8	0 -50S / 9	10R -80S /11	1-9/ 8	0-9/ 6
52	599- 7830/17	85-291/25	30-100/ 7	0 -50S / 7	0 -10MS/ 6	1MR-60S / 6	0-9/ 8	0-7/ 6
4	383- 8163/19	96-302/24	30- 95/ 7	0 -50X /10	0 -30S / 7	1R -70X /11	0-9/ 8	0-7/ 6
94	500- 9500/18	101-298/24	10-100/ 8	0 -80X / 8	0 -60S / 8	0 -90X / 8	0-9/ 8	2-9/ 6
71	334- 8000/17	109-307/23	20-100/ 7	0 -99S / 7	0 -60S /10	1R -70S / 9	1-9/ 8	0-9/ 6

TABLE 5. Entries Selected for Earliness Over All Locations Reporting

Entry Number	Minimum-Maximum/Number of Locations Reporting for the Following Trait: Yield (Kg/Ha)	Days to Flower From Jan 1	Winter Hardiness (%)	Puccinia Striiformis	Puccinia Recondita	Puccinia Graminis	Septoria (0-9)	Mildew (0-9)
65	386- 8299/18	83-290/25	40-100/ 7	0 -99S / 7	0 -10MS/ 7	0 -70X / 5	2-9/ 8	0-7/ 6
37	267- 6913/18	80-289/25	30- 95/ 7	1MR-99S / 6	0 -90S / 8	0 -90S / 9	0-9/ 8	1-8/ 7
3	406- 8033/19	56-290/24	25- 92/ 7	0 -99S /10	1R -90S / 8	0 -90S /10	0-9/ 8	1-8/ 7
4	383- 8163/19	96-302/24	30- 95/ 7	0 -50X /10	0 -30S / 7	1R -70X /11	0-9/ 8	0-7/ 6
21	321- 9412/20	96-296/24	10-100/ 8	0 -20S / 8	0 -70S /10	1MR-99S / 8	0-9/ 8	0-6/ 6
47	466- 6663/17	67-298/25	30- 95/ 7	0 -30S / 9	0 - 5MS/ 5	0 -40MR/ 5	0-9/ 8	0-7/ 6
55	566- 8426/18	80-294/25	40- 99/ 8	0 -40S / 8	0 -80S / 8	0 -90S / 7	0-9/ 8	3-6/ 7
73	321- 7829/18	62-296/25	40-100/ 7	0 -30S / 6	0 -20S / 4	0 -70S /10	0-9/ 8	0-9/ 6
26	250- 9829/17	98-296/24	30-100/ 7	0 -40S / 7	5MS-90S /10	1MR-70X / 8	0-7/ 8	0-9/ 7
56	373- 7635/20	98-294/24	40- 98/ 7	0 -99S / 8	0 -15S / 5	0 -90S / 6	0-9/ 8	3-6/ 7
46	466- 7163/17	67-304/25	30- 97/ 7	1R -60S / 9	0 -40S / 9	0 -60MS/ 7	0-7/ 8	0-7/ 6
28	480- 5651/18	66-297/25	40- 99/ 7	0 -80S / 9	0 -70S / 7	1R -80X /11	0-9/ 8	0-7/ 7
58	599- 8080/18	85-292/25	30- 98/ 7	0 -40S / 6	0 -50S / 7	0 -90X / 6	2-9/ 8	0-6/ 6
52	599- 7830/17	85-291/25	30-100/ 7	0 -50S / 7	0 -10MS/ 6	1MR-60S / 6	0-9/ 8	0-7/ 6
23	400- 8329/19	98-296/24	20-100/ 8	0 -20S / 7	0 -20S / 9	5MR-70S / 8	0-9/ 8	0-5/ 6
72	332- 7818/18	98-296/24	40-100/ 7	0 -20S / 7	0 - 5MR/ 7	0 -80S / 7	3-9/ 8	0-9/ 6
69	400- 8746/18	98-297/23	30-100/ 7	1R -70S / 9	0 -30MR/ 8	1R -80X / 9	0-9/ 8	0-9/ 6
22	400- 7830/20	111-297/24	20-100/ 8	0 -30S / 9	0 -80S / 8	1R -60S / 7	0-9/ 8	0-5/ 5
89	400- 7830/19	100-297/23	30-100/ 7	0 -60M / 7	0 -90X /10	1R -80X / 8	0-5/ 8	0-8/ 7
38	332- 7080/19	76-297/25	30-100/ 7	0 -30S / 8	0 -80X / 8	0 -80X /10	0-7/ 8	0-7/ 7
24	506- 8746/18	99-296/24	30-100/ 8	0 -40S / 7	0 -40S / 9	1R -70X / 9	0-7/ 8	0-5/ 6
53	533- 7532/17	77-296/24	30-100/ 7	0 -99S / 8	0 -40X / 7	0 -10R / 7	2-9/ 8	0-7/ 7
84	466- 8163/19	85-301/25	30-100/ 7	0 -99S / 6	0 -20MS/ 8	0 -40MR/ 7	0-9/ 8	0-5/ 6
32	599- 7496/18	76-297/25	20- 99/ 7	0 -70S / 7	0 -40MS/ 9	0 -40MR/ 7	1-9/ 8	0-5/ 6
1	486- 6997/19	100-296/24	30- 98/ 7	1MS-80S /13	0 -60S / 8	10R -90S /10	0-9/ 8	0-7/ 6

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

Entry Number	Minimum-Maximum/Number of Locations Reporting for the Following Trait: Yield (Kg/Ha)	Days to Flower From Jan 1	Winter Hardiness (%)	Puccinia Striiformis	Puccinia Recondita	Puccinia Graminis	Septoria (0-9)	Mildew (0-9)
1	486- 6997/19	100-296/24	30- 98/ 7	1MS-80S /13	0 -60S / 8	10R -90S /10	0-9/ 8	0-7/ 6
83	433- 7850/19	86-297/25	30-100/ 7	0 -30S / 7	0 - 1MS/ 5	0 -60MR/ 7	2-9/ 8	0-7/ 6
2	460- 6663/19	109-302/24	15- 97/ 8	0 -80X /11	0 -50S / 9	1MR-80X /10	0-9/ 8	0-7/ 7
22	400- 7830/20	111-297/24	20-100/ 8	0 -30S / 9	0 -80S / 8	1R -60S / 7	0-9/ 8	0-5/ 5
3	406- 8033/19	56-290/24	25- 92/ 7	0 -99S /10	1R -90S / 8	0 -90S /10	0-9/ 8	1-8/ 7
93	379- 8000/18	100-298/24	40-100/ 7	0 -70S / 7	0 - 1MR/ 6	0 -80MS/ 6	0-9/ 8	0-7/ 6
4	383- 8163/19	96-302/24	30- 95/ 7	0 -50X /10	0 -30S / 7	1R -70X /11	0-9/ 8	0-7/ 6
35	399- 6700/19	77-301/25	30-100/ 7	0 -99S / 7	0 -50M / 7	0 -80MR/ 6	0-9/ 8	0-7/ 7
84	466- 8163/19	85-301/25	30-100/ 7	0 -99S / 6	0 -20MS/ 8	0 -40MR/ 7	0-9/ 8	0-5/ 6
39	366- 6000/20	107-308/24	10-100/ 8	00 -40S / 9	0 -10MR/ 8	10MR-99S / 8	0-6/ 8	0-7/ 6
92	321- 9000/18	99-298/24	30-100/ 7	0 -99S / 6	0 - 5MS/ 4	0 -80MR/ 5	0-9/ 8	0-7/ 6
10	400- 7500/19	101-297/24	30-100/ 7	0 -80S / 7	0 -10R / 5	1R -80S / 9	1-9/ 8	0-7/ 6
69	400- 8746/18	98-297/23	30-100/ 7	1R -70S / 9	0 -30MR/ 8	1R -80X / 9	0-9/ 8	0-9/ 6
25	600- 8350/18	100-301/24	30-100/ 7	0 -30S / 7	1MR-90S / 9	1MR-70X / 8	0-7/ 8	0-7/ 7
89	400- 7830/19	100-297/23	30-100/ 7	0 -60M / 7	0 -90X /10	1R -80X / 8	0-5/ 8	0-8/ 7
65	386- 8299/18	83-290/25	40-100/ 7	0 -99S / 7	0 -10MS/ 7	0 -70X / 5	2-9/ 8	0-7/ 6
6	301- 7746/17	115-310/24	20-100/ 7	0 -60S / 7	0 -20S / 6	0 -80S / 9	0-9/ 8	0-6/ 6
53	533- 7532/17	77-296/24	30-100/ 7	0 -99S / 8	0 -40X / 7	0 -10R / 7	2-9/ 8	0-7/ 7
38	332- 7080/19	76-297/25	30-100/ 7	0 -30S / 8	0 -80X / 8	0 -80X /10	0-7/ 8	0-7/ 7
71	334- 8000/17	109-307/23	20-100/ 7	0 -99S / 7	0 -60S /10	1R -70S / 9	1-9/ 8	0-9/ 6
99	432- 8413/16	79-300/24	30-100/ 7	0 -10MS/ 6	0 -80S / 9	0 -20S / 6	1-9/ 7	0-7/ 6
16	267- 9162/18	104-302/24	30-100/ 7	1R -70S /10	0 - 5MS/ 8	10R -70X / 9	0-9/ 8	0-7/ 6
23	400- 8329/19	98-296/24	20-100/ 8	0 -20S / 7	0 -20S / 9	5MR-70S / 8	0-9/ 8	0-5/ 6
24	506- 8746/18	99-296/24	30-100/ 8	0 -40S / 7	0 -40S / 9	1R -70X / 9	0-7/ 8	0-5/ 6
7	217- 8663/19	100-296/24	30-100/ 7	0 -10R / 7	0 -15MS/ 4	1R -70MS/ 6	0-9/ 8	0-5/ 5
72	332- 7818/18	98-296/24	40-100/ 7	0 -20S / 7	0 - 5MR/ 7	0 -80S / 7	3-9/ 8	0-9/ 6
8	233- 7996/18	105-302/24	30-100/ 7	5MS-80S /10	00 -70S / 8	10S -80S / 9	1-9/ 8	0-7/ 6
9	321- 6830/18	100-298/24	30-100/ 7	0 -80S / 8	0 - 5R / 6	10S -80MS/ 6	1-9/ 8	0-7/ 6
50	399- 8656/18	77-294/25	30-100/ 7	0 -70S / 6	0 -40S / 8	0 -90S / 9	0-7/ 8	3-8/ 7
48	417- 6787/16	109-309/24	10-100/ 8	0 -50S /10	0 -20MR/ 8	0 -80S /10	0-9/ 8	0-8/ 7

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

Entry Number	Minimum-Maximum/Number of Locations Reporting for the Following Trait: Yield (Kg/Ha)	Days to Flower From Jan 1	Winter Hardiness (%)	Puccinia Striiformis	Puccinia Recondita	Puccinia Graminis	Septoria (0-9)	Mildew (0-9)
96	267- 6830/16	101-300/23	10- 99/ 8	0 -10S / 6	0 - 5MS/ 5	0 -30MR/ 8	0-9/ 7	0-9/ 6
66	233- 7040/19	76-300/25	30-100/ 7	0 -10S / 8	0 -50X / 9	0 -80X / 8	0-9/ 8	5-9/ 7
7	217- 8663/19	100-296/24	30-100/ 7	0 -10R / 7	0 -15MS/ 4	1R -70MS/ 6	0-9/ 8	0-5/ 5
62	266- 7663/18	107-300/24	20- 98/ 8	0 -10S / 6	0 -10MS/ 8	1MR-60X / 8	0-9/ 8	0-7/ 6
18	333- 6900/18	107-310/24	20-100/ 7	0 - 5MR/ 8	0 -10M / 6	1MR-70X / 9	0-9/ 8	0-7/ 6
101	299- 8746/17	70-299/25	30-100/ 7	0 -10S / 6	0 -60S /10	0 -40MS/ 8	0-7/ 8	0-7/ 6
61	254- 9746/18	108-302/24	10- 98/ 8	0 -10S / 7	0 -10MS/ 7	0 -80S / 7	0-9/ 8	0-5/ 6
97	466- 8864/18	99-300/23	20- 98/ 7	0 -10S / 6	0 - 5MR/ 7	0 -80X / 5	0-9/ 7	0-9/ 6
30	500- 7205/18	76-302/25	30- 99/ 7	0 -10MS/ 8	0 -70S / 9	0 -10MR/ 4	0-9/ 8	0-7/ 6
17	299- 7913/18	106-310/24	20- 95/ 7	0 - 5S / 9	0 -10S / 7	1MS-80S / 9	0-9/ 8	0-7/ 6
82	299- 7575/18	111-310/24	10-100/ 8	0 -10S / 8	0 -20S / 7	5MR-80S /10	0-9/ 8	0-6/ 6
95	266- 6973/18	99-298/24	5- 95/ 8	0 -50S / 8	0 -20MS/ 9	0 -60MS/ 8	0-7/ 8	0-9/ 7
48	417- 6787/16	109-309/24	10-100/ 8	0 -50S /10	0 -20MR/ 8	0 -80S /10	0-9/ 8	0-8/ 7
86	450- 6997/16	107-307/24	10-100/ 8	0 -50S / 9	0 -10MR/ 7	1R -80MS/ 9	0-9/ 8	0-8/ 6
15	517- 8746/18	104-302/24	40-100/ 7	0 -70S /10	0 - 5MS/ 8	1MR-70S / 8	0-9/ 8	0-7/ 6
99	432- 8413/16	79-300/24	30-100/ 7	0 -10MS/ 6	0 -80S / 9	0 -20S / 6	1-9/ 7	0-7/ 6
14	454- 9500/18	76-313/25	30- 99/ 7	0 -80S / 8	0 - 5MS/ 8	1MS-40MS/ 7	0-9/ 8	0-7/ 7
47	466- 6663/17	67-298/25	30- 95/ 7	0 -30S / 9	0 - 5MS/ 5	0 -40MR/ 5	0-9/ 8	0-7/ 6
38	332- 7080/19	76-297/25	30-100/ 7	0 -30S / 8	0 -80X / 8	0 -80X /10	0-7/ 8	0-7/ 7
83	433- 7850/19	86-297/25	30-100/ 7	0 -30S / 7	0 - 1MS/ 5	0 -60MR/ 7	2-9/ 8	0-7/ 6
98	253- 8500/17	104-302/23	10-100/ 7	0 -30S / 7	0 - 1MR/ 5	1MR-60MR/ 5	0-9/ 7	0-7/ 6
55	566- 8426/18	80-294/25	40- 99/ 8	0 -40S / 8	0 -80S / 8	0 -90S / 7	0-9/ 8	3-6/ 7
53	533- 7532/17	77-296/24	30-100/ 7	0 -99S / 8	0 -40X / 7	0 -10R / 7	2-9/ 8	0-7/ 7
64	632- 7913/19	100-296/24	5-100/ 8	0 -99S / 7	0 -60S / 9	0 -60MR/ 6	0-9/ 8	0-7/ 6
34	299- 5830/17	108-305/24	20-100/ 7	0 -30S / 7	0 - 1S / 7	0 -99S / 6	0-9/ 8	0-7/ 6
22	400- 7830/20	111-297/24	20-100/ 8	0 -30S / 9	0 -80S / 8	1R -60S / 7	0-9/ 8	0-5/ 5

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

Entry Number	Minimum-Maximum/Number of Locations Reporting for the Following Trait: Yield (Kg/Ha)	Days to Flower From Jan 1	Winter Hardiness (%)	Puccinia Striiformis	Puccinia Recondita	Puccinia Graminis	Septoria (0-9)	Mildew (0-9)
12	253- 6830/18	117-313/24	20- 95/ 7	0 -60S / 7	0 - 1MR/ 6	5MR-60X / 8	0-9/ 8	2-7/ 7
97	466- 8864/18	99-300/23	20- 98/ 7	0 -10S / 6	0 - 5MR/ 7	0 -80X / 5	0-9/ 7	0-9/ 6
96	267- 6830/16	101-300/23	10- 99/ 8	0 -10S / 6	0 - 5MS/ 5	0 -30MR/ 8	0-9/ 7	0-9/ 6
72	332- 7818/18	98-296/24	40-100/ 7	0 -20S / 7	0 - 5MR/ 7	0 -80S / 7	3-9/ 8	0-9/ 6
10	400- 7500/19	101-297/24	30-100/ 7	0 -80S / 7	0 -10R / 5	1R -80S / 9	1-9/ 8	0-7/ 6
7	217- 8663/19	100-296/24	30-100/ 7	0 -10R / 7	0 -15MS/ 4	1R -70MS/ 6	0-9/ 8	0-5/ 5
34	299- 5830/17	108-305/24	20-100/ 7	0 -30S / 7	0 - 1S / 7	0 -99S / 6	0-9/ 8	0-7/ 6
79	233- 9162/19	108-301/24	30-100/ 7	0 -50MS/ 7	0 - 5MS/ 9	0 -40MR/ 8	2-9/ 8	0-7/ 6
84	466- 8163/19	85-301/25	30-100/ 7	0 -99S / 6	0 -20MS/ 8	0 -40MR/ 7	0-9/ 8	0-5/ 6
87	612- 7800/18	80-313/25	20-100/ 7	0 -20S / 7	0 - 5MS/ 6	0 -90S / 9	0-9/ 8	0-8/ 6
9	321- 6830/18	100-298/24	30-100/ 7	0 -80S / 8	0 - 5R / 6	10S -80MS/ 6	1-9/ 8	0-7/ 6
93	379- 8000/18	100-298/24	40-100/ 7	0 -70S / 7	0 - 1MR/ 6	0 -80MS/ 6	0-9/ 8	0-7/ 6
102	266- 6997/17	99-297/24	20-100/ 7	00 -40MS/ 8	0 - 5MS/ 7	0 -80S / 9	0-6/ 8	0-8/ 7
59	334- 7575/19	101-296/24	20-100/ 7	0 -99S / 6	0 -30MS/ 9	0 -40MR/ 7	2-9/ 8	0-7/ 6
98	253- 8500/17	104-302/23	10-100/ 7	0 -30S / 7	0 - 1MR/ 5	1MR-60MR/ 5	0-9/ 7	0-7/ 6
14	454- 9500/18	76-313/25	30- 99/ 7	0 -80S / 8	0 - 5MS/ 8	1MS-40MS/ 7	0-9/ 8	0-7/ 7
58	599- 8080/18	85-292/25	30- 98/ 7	0 -40S / 6	0 -50S / 7	0 -90X / 6	2-9/ 8	0-6/ 6
62	266- 7663/18	107-300/24	20- 98/ 8	0 -10S / 6	0 -10MS/ 8	1MR-60X / 8	0-9/ 8	0-7/ 6
83	433- 7850/19	86-297/25	30-100/ 7	0 -30S / 7	0 - 1MS/ 5	0 -60MR/ 7	2-9/ 8	0-7/ 6
85	439- 9300/18	80-300/25	30-100/ 7	0 -99S / 8	0 -30MS/ 9	0 -40MR/ 7	0-9/ 8	0-8/ 6
52	599- 7830/17	85-291/25	30-100/ 7	0 -50S / 7	0 -10MS/ 6	1MR-60S / 6	0-9/ 8	0-7/ 6
70	366- 5830/17	82-301/25	20-100/ 7	0 -99S / 6	0 -10MR/ 8	0 -30S / 7	1-9/ 8	0-9/ 6
48	417- 6787/16	109-309/24	10-100/ 8	0 -50S /10	0 -20MR/ 8	0 -80S /10	0-9/ 8	0-8/ 7
65	386- 8299/18	83-290/25	40-100/ 7	0 -99S / 7	0 -10MS/ 7	0 -70X / 5	2-9/ 8	0-7/ 6
61	254- 9746/18	108-302/24	10- 98/ 8	0 -10S / 7	0 -10MS/ 7	0 -80S / 7	0-9/ 8	0-5/ 6
16	267- 9162/18	104-302/24	30-100/ 7	1R -70S /10	0 - 5MS/ 8	10R -70X / 9	0-9/ 8	0-7/ 6

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

Entry Number	Minimum-Maximum/Number of Locations Reporting for the Following Trait: Yield (Kg/Ha)	Days to Flower From Jan 1	Winter Hardiness (%)	Puccinia Striiformis	Puccinia Recondita	Puccinia Graminis	Septoria (0-9)	Mildew (0-9)
96	267- 6830/16	101-300/23	10- 99/ 8	0 -10S / 6	0 - 5MS/ 5	0 -30MR/ 8	0-9/ 7	0-9/ 6
59	334- 7575/19	101-296/24	20-100/ 7	0 -99S / 6	0 -30MS/ 9	0 -40MR/ 7	2-9/ 8	0-7/ 6
85	439- 9300/18	80-300/25	30-100/ 7	0 -99S / 8	0 -30MS/ 9	0 -40MR/ 7	0-9/ 8	0-8/ 6
84	466- 8163/19	85-301/25	30-100/ 7	0 -99S / 6	0 -20MS/ 8	0 -40MR/ 7	0-9/ 8	0-5/ 6
31	566- 8663/17	105-303/24	20-100/ 7	0 -70S / 7	0 -50S / 9	0 -30MR/ 8	1-9/ 8	0-7/ 6
13	266- 8913/18	108-303/24	30-100/ 7	0 -80S / 9	0 -30MS/ 9	0 - 1MS/ 5	0-9/ 8	0-8/ 7
79	233- 9162/19	108-301/24	30-100/ 7	0 -50MS/ 7	0 - 5MS/ 9	0 -40MR/ 8	2-9/ 8	0-7/ 6
47	466- 6663/17	67-298/25	30- 95/ 7	0 -30S / 9	0 - 5MS/ 5	0 -40MR/ 5	0-9/ 8	0-7/ 6
53	533- 7532/17	77-296/24	30-100/ 7	0 -99S / 8	0 -40X / 7	0 -10R / 7	2-9/ 8	0-7/ 7
32	599- 7496/18	76-297/25	20- 99/ 7	0 -70S / 7	0 -40MS/ 9	0 -40MR/ 7	1-9/ 8	0-5/ 6
83	433- 7850/19	86-297/25	30-100/ 7	0 -30S / 7	0 - 1MS/ 5	0 -60MR/ 7	2-9/ 8	0-7/ 6
70	366- 5830/17	82-301/25	20-100/ 7	0 -99S / 6	0 -10MR/ 8	0 -30S / 7	1-9/ 8	0-9/ 6
57	652- 5052/16	102-301/24	40- 98/ 7	0 -99S / 7	0 -60S / 8	0 -60MR/ 7	1-9/ 8	0-7/ 7
30	500- 7205/18	76-302/25	30- 99/ 7	0 -10MS/ 8	0 -70S / 9	0 -10MR/ 4	0-9/ 8	0-7/ 6
68	480- 5997/17	115-310/24	10-100/ 7	0 -60S / 8	0 -10M / 4	0 -10MS/ 7	0-9/ 8	0-9/ 6
91	332- 6747/17	108-303/24	10-100/ 8	0 -99S / 8	0 -10S / 6	0 -50MS/11	1-9/ 8	0-7/ 6
92	321- 9000/18	99-298/24	30-100/ 7	0 -99S / 6	0 - 5MS/ 4	0 -80MR/ 5	0-9/ 8	0-7/ 6
63	626- 7684/19	101-296/24	10- 98/ 8	0 -99S / 7	0 -60S / 9	0 -20MS/ 7	0-9/ 8	0-7/ 6
73	321- 7829/18	62-296/25	40-100/ 7	0 -30S / 6	0 -20S / 4	0 -70S /10	0-9/ 8	0-9/ 6
95	266- 6973/18	99-298/24	5- 95/ 8	0 -50S / 8	0 -20MS/ 9	0 -60MS/ 8	0-7/ 8	0-9/ 7
35	399- 6700/19	77-301/25	30-100/ 7	0 -99S / 7	0 -50M / 7	0 -80MR/ 6	0-9/ 8	0-7/ 7
99	432- 8413/16	79-300/24	30-100/ 7	0 -10MS/ 6	0 -80S / 9	0 -20S / 6	1-9/ 7	0-7/ 6
98	253- 8500/17	104-302/23	10-100/ 7	0 -30S / 7	0 - 1MR/ 5	1MR-60MR/ 5	0-9/ 7	0-7/ 6
93	379- 8000/18	100-298/24	40-100/ 7	0 -70S / 7	0 - 1MR/ 6	0 -80MS/ 6	0-9/ 8	0-7/ 6
101	299- 8746/17	70-299/25	30-100/ 7	0 -10S / 6	0 -60S /10	0 -40MS/ 8	0-7/ 8	0-7/ 6

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

Entry Number	Minimum-Maximum/Number of Locations Reporting for the Following Trait: Yield (Kg/Ha)	Days to Flower From Jan 1	Winter Hardiness (%)	Puccinia Striiformis	Puccinia Recondita	Puccinia Graminis	Septoria (0-9)	Mildew (0-9)
90	334- 8579/16	106-300/24	20-100/ 8	0 -80S / 9	0 -20S / 5	5MS-99S /10	0-4/ 8	0-8/ 6
89	400- 7830/19	100-297/23	30-100/ 7	0 -60M / 7	0 -90X /10	1R -80X / 8	0-5/ 8	0-8/ 7
81	234- 7496/18	112-310/24	10-100/ 7	00 -40S / 9	00 -40S / 8	1R -80S /10	0-7/ 8	0-7/ 6
33	626- 6414/16	108-303/24	10-100/ 8	0 -80S / 9	0 -80S /10	5MS-99S / 9	0-9/ 8	0-9/ 7
102	266- 6997/17	99-297/24	20-100/ 7	00 -40MS/ 8	0 - 5MS/ 7	0 -80S / 9	0-6/ 8	0-8/ 7
62	266- 7663/18	107-300/24	20- 98/ 8	0 -10S / 6	0 -10MS/ 8	1MR-60X / 8	0-9/ 8	0-7/ 6
41	333- 7080/18	108-307/24	10-100/ 8	1MS-50S / 9	0 -40S / 6	10MR-90S / 8	0-9/ 8	0-7/ 6
66	233- 7040/19	76-300/25	30-100/ 7	0 -10S / 8	0 -50X / 9	0 -80X / 8	0-9/ 8	5-9/ 7
30	500- 7205/18	76-302/25	30- 99/ 7	0 -10MS/ 8	0 -70S / 9	0 -10MR/ 4	0-9/ 8	0-7/ 6
34	299- 5830/17	108-305/24	20-100/ 7	0 -30S / 7	0 - 1S / 7	0 -99S / 6	0-9/ 8	0-7/ 6
96	267- 6830/16	101-300/23	10- 99/ 8	0 -10S / 6	0 - 5MS/ 5	0 -30MR/ 8	0-9/ 7	0-9/ 6
26	250- 9829/17	98-296/24	30-100/ 7	0 -40S / 7	5MS-90S /10	1MR-70X / 8	0-7/ 8	0-9/ 7
86	450- 6997/16	107-307/24	10-100/ 8	0 -50S / 9	0 -10MR/ 7	1R -80MS/ 9	0-9/ 8	0-8/ 6
61	254- 9746/18	108-302/24	10- 98/ 8	0 -10S / 7	0 -10MS/ 7	0 -80S / 7	0-9/ 8	0-5/ 6
71	334- 8000/17	109-307/23	20-100/ 7	0 -99S / 7	0 -60S /10	1R -70S / 9	1-9/ 8	0-9/ 6
39	366- 6000/20	107-308/24	10-100/ 8	00 -40S / 9	0 -10MR/ 8	10MR-99S / 8	0-6/ 8	0-7/ 6
69	400- 8746/18	98-297/23	30-100/ 7	1R -70S / 9	0 -30MR/ 8	1R -80X / 9	0-9/ 8	0-9/ 6
13	266- 8913/18	108-303/24	30-100/ 7	0 -80S / 9	0 -30MS/ 9	0 - 1MS/ 5	0-9/ 8	0-8/ 7
82	299- 7575/18	111-310/24	10-100/ 8	0 -10S / 8	0 -20S / 7	5MR-80S /10	0-9/ 8	0-6/ 6
94	500- 9500/18	101-298/24	10-100/ 8	0 -80X / 8	0 -60S / 8	0 -90X / 8	0-9/ 8	2-9/ 6
15	517- 8746/18	104-302/24	40-100/ 7	0 -70S /10	0 - 5MS/ 8	1MR-70S / 8	0-9/ 8	0-7/ 6
99	432- 8413/16	79-300/24	30-100/ 7	0 -10MS/ 6	0 -80S / 9	0 -20S / 6	1-9/ 7	0-7/ 6
17	299- 7913/18	106-310/24	20- 95/ 7	0 - 5S / 9	0 -10S / 7	1MS-80S / 9	0-9/ 8	0-7/ 6
88	199- 7080/17	115-312/24	10-100/ 8	0 -20S / 8	0 -40S / 6	0 -90S / 9	0-9/ 8	0-8/ 7
97	466- 8864/18	99-300/23	20- 98/ 7	0 -10S / 6	0 - 5MR/ 7	0 -80X / 5	0-9/ 7	0-9/ 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 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)
61	254- 9746/18	108-302/24	10- 98/ 8	0 -10S / 7	0 -10MS/ 7	0 -80S / 7	0-9/ 8	0-5/ 6
22	400- 7830/20	111-297/24	20-100/ 8	0 -30S / 9	0 -80S / 8	1R -60S / 7	0-9/ 8	0-5/ 5
23	400- 8329/19	98-296/24	20-100/ 8	0 -20S / 7	0 -20S / 9	5MR-70S / 8	0-9/ 8	0-5/ 6
45	466- 7300/20	111-307/24	20-100/ 7	0 -40S / 7	0 -60S / 9	1R -60S / 9	2-9/ 8	0-4/ 6
24	506- 8746/18	99-296/24	30-100/ 8	0 -40S / 7	0 -40S / 9	1R -70X / 9	0-7/ 8	0-5/ 6
21	321- 9412/20	96-296/24	10-100/ 8	0 -20S / 8	0 -70S /10	1MR-99S / 8	0-9/ 8	0-6/ 6
62	266- 7663/18	107-300/24	20- 98/ 8	0 -10S / 6	0 -10MS/ 8	1MR-60X / 8	0-9/ 8	0-7/ 6
63	626- 7684/19	101-296/24	10- 98/ 8	0 -99S / 7	0 -60S / 9	0 -20MS/ 7	0-9/ 8	0-7/ 6
44	520- 8746/18	111-310/24	20- 98/ 7	0 -20S / 6	0 -60S / 9	1R -80MS/10	3-9/ 8	0-7/ 6
7	217- 8663/19	100-296/24	30-100/ 7	0 -10R / 7	0 -15MS/ 4	1R -70MS/ 6	0-9/ 8	0-5/ 5
58	599- 8080/18	85-292/25	30- 98/ 7	0 -40S / 6	0 -50S / 7	0 -90X / 6	2-9/ 8	0-6/ 6
32	599- 7496/18	76-297/25	20- 99/ 7	0 -70S / 7	0 -40MS/ 9	0 -40MR/ 7	1-9/ 8	0-5/ 6
82	299- 7575/18	111-310/24	10-100/ 8	0 -10S / 8	0 -20S / 7	5MR-80S /10	0-9/ 8	0-6/ 6
19	332- 7288/17	71-303/25	30- 97/ 7	0 -60S / 6	0 -10M / 7	1MR-50S / 8	0-9/ 8	0-7/ 6
6	301- 7746/17	115-310/24	20-100/ 7	0 -60S / 7	0 -20S / 6	0 -80S / 9	0-9/ 8	0-6/ 6
41	333- 7080/18	108-307/24	10-100/ 8	1MS-50S / 9	0 -40S / 6	10MR-90S / 8	0-9/ 8	0-7/ 6
31	566- 8663/17	105-303/24	20-100/ 7	0 -70S / 7	0 -50S / 9	0 -30MR/ 8	1-9/ 8	0-7/ 6
47	466- 6663/17	67-298/25	30- 95/ 7	0 -30S / 9	0 - 5MS/ 5	0 -40MR/ 5	0-9/ 8	0-7/ 6
99	432- 8413/16	79-300/24	30-100/ 7	0 -10MS/ 6	0 -80S / 9	0 -20S / 6	1-9/ 7	0-7/ 6
84	466- 8163/19	85-301/25	30-100/ 7	0 -99S / 6	0 -20MS/ 8	0 -40MR/ 7	0-9/ 8	0-5/ 6
79	233- 9162/19	108-301/24	30-100/ 7	0 -50MS/ 7	0 - 5MS/ 9	0 -40MR/ 8	2-9/ 8	0-7/ 6
81	234- 7496/18	112-310/24	10-100/ 7	00 -40S / 9	00 -40S / 8	1R -80S /10	0-7/ 8	0-7/ 6
8	233- 7996/18	105-302/24	30-100/ 7	5MS-80S /10	00 -70S / 8	10S -80S / 9	1-9/ 8	0-7/ 6
34	299- 5830/17	108-305/24	20-100/ 7	0 -30S / 7	0 - 1S / 7	0 -99S / 6	0-9/ 8	0-7/ 6
30	500- 7205/18	76-302/25	30- 99/ 7	0 -10MS/ 8	0 -70S / 9	0 -10MR/ 4	0-9/ 8	0-7/ 6

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

Entry Number	Minimum-Maximum/Number of Locations Reporting for the Following Trait: Yield (Kg/Ha)	Days to Flower From Jan 1	Winter Hardiness (%)	Puccinia Striiformis	Puccinia Recondita	Puccinia Graminis	Septoria (0-9)	Mildew (0-9)
65	801- 4454/ 8	83-290/ 8	40- 40/ 1	1R -20MR/ 2	- / 0	80MS-80MS/ 1	2-3/ 2	0-0/ 2
53	918- 4725/ 7	77-296/ 8	30- 30/ 1	0 - 0 / 2	5MR- 5MR/ 1	0 - 1R / 2	2-4/ 2	0-6/ 2
73	834- 4494/ 7	62-296/ 8	40- 40/ 1	0 - 1MS/ 2	- / 0	10MS-20MS/ 2	3-3/ 2	0-6/ 2
64	851- 5177/ 8	100-296/ 7	30- 30/ 1	0 - 1R / 2	1R - 1R / 1	0 -20MS/ 2	1-2/ 2	0-0/ 2
92	834- 5586/ 7	99-298/ 7	30- 30/ 1	0 - 5MS/ 2	- / 0	0 - 5MS/ 2	1-3/ 2	0-6/ 2
28	684- 5651/ 7	66-297/ 8	40- 40/ 1	0 - 0 / 2	1R - 1R / 1	1R -80MS/ 3	0-2/ 2	0-7/ 2
101	551- 5367/ 7	70-299/ 8	30- 30/ 1	0 - 0 / 2	20MR-20MR/ 1	0 -20S / 3	1-1/ 2	0-0/ 2
79	918- 5588/ 7	108-301/ 7	30- 30/ 1	0 - 1R / 2	1MR- 5MS/ 2	0 - 5MS/ 3	2-3/ 2	0-6/ 2
63	759- 7034/ 8	101-296/ 7	20- 20/ 1	0 - 1MR/ 2	- / 0	0 -20MS/ 2	1-2/ 2	0-0/ 2
47	651- 4614/ 6	67-298/ 8	30- 30/ 1	0 -10S / 2	- / 0	0 - 0 / 1	2-5/ 2	0-6/ 2
52	901- 5229/ 6	85-291/ 8	30- 30/ 1	5MR-40MR/ 2	- / 0	30MS-30MS/ 1	2-3/ 2	0-6/ 2
37	667- 4152/ 8	80-289/ 8	30- 30/ 1	1MR-20MS/ 2	- / 0	10MS-80MS/ 2	2-4/ 2	1-7/ 2
58	1152- 4984/ 8	85-292/ 8	30- 30/ 1	0 -10S / 2	- / 0	0 - 5MR/ 2	2-4/ 2	0-6/ 2
32	734- 5690/ 7	76-297/ 8	20- 20/ 1	0 - 5MS/ 2	5MS- 5MS/ 1	0 - 1MS/ 2	1-2/ 2	0-5/ 2
72	935- 4673/ 7	98-296/ 7	40- 40/ 1	1M -20R / 2	1R - 1R / 1	10MR-10MS/ 2	3-3/ 2	0-6/ 2
66	768- 6984/ 8	76-300/ 8	30- 30/ 1	0 - 0 / 2	1R - 1R / 1	1R -20S / 3	1-1/ 2	5-9/ 2
84	1027- 4868/ 8	85-301/ 8	30- 30/ 1	0 - 5M / 2	- / 0	0 - 5MS/ 2	2-3/ 2	0-0/ 2
97	584- 4800/ 8	99-300/ 7	20- 20/ 1	0 - 5MR/ 2	1R - 1R / 1	0 - 1R / 2	1-2/ 2	0-8/ 2
83	851- 5784/ 8	86-297/ 8	30- 30/ 1	0 -10MS/ 2	- / 0	0 - 5MR/ 2	2-3/ 2	0-0/ 2
3	793- 3460/ 8	56-290/ 8	30- 30/ 1	10MS-40S / 2	1R - 1R / 1	1R -70MS/ 3	3-7/ 2	2-6/ 2
85	801- 6968/ 7	80-300/ 8	30- 30/ 1	10S -20MS/ 2	10MS-10MS/ 1	0 - 1MS/ 2	1-3/ 2	0-8/ 2
95	734- 5852/ 6	99-298/ 7	40- 40/ 1	0 - 5MS/ 2	5MR- 5MR/ 1	0 - 1R / 3	2-2/ 2	2-6/ 2
29	701- 5998/ 7	100-297/ 7	40- 40/ 1	0 -10MS/ 2	- / 0	10MR-70MS/ 2	1-2/ 2	0-9/ 2
61	918- 5320/ 6	108-302/ 7	20- 20/ 1	0 - 5MR/ 2	- / 0	30MS-40MS/ 3	1-1/ 2	0-0/ 2
38	651- 3990/ 8	76-297/ 8	30- 30/ 1	0 -20MS/ 2	20MS-20MS/ 1	1R -60MS/ 2	2-3/ 2	0-7/ 2
93	634- 5586/ 7	100-298/ 7	40- 40/ 1	0 - 0 / 2	- / 0	0 - 5MR/ 2	2-3/ 2	0-6/ 2
55	1000- 5250/ 7	80-294/ 8	40- 40/ 1	0 -40S / 2	1R - 1R / 1	10MS-80MS/ 2	3-4/ 2	3-6/ 2

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

Entry Number	Minimum-Maximum/Number of Locations Reporting for the Following Trait: Yield (Kg/Ha)	Days to Flower From Jan 1	Winter Hardiness (%)	Puccinia Striiformis	Puccinia Recondita	Puccinia Graminis	Septoria (0-9)	Mildew (0-9)
84	816- 7612/ 4	141-283/ 4	95- 95/ 1	0 - 1R / 2	0 -10MR/ 4	0 -40MR/ 3	0-8/ 4	0-5/ 2
55	716- 8426/ 4	141-288/ 4	95- 95/ 1	1R -10S / 3	0 - 1R / 3	0 -90S / 3	0-8/ 4	4-5/ 2
75	1900- 8572/ 4	139-296/ 4	95- 95/ 1	20MR-20S / 2	0 -10MS/ 3	1MR-99S / 4	0-8/ 4	0-7/ 2
85	1566- 9300/ 4	142-288/ 4	95- 95/ 1	0 - 1MS/ 3	0 -30MS/ 4	0 -40MR/ 3	0-7/ 4	0-7/ 2
65	1166- 8299/ 4	138-279/ 4	95- 95/ 1	15R -20S / 2	0 - 1MS/ 4	0 -70X / 3	3-8/ 4	0-7/ 2
64	1300- 6910/ 4	141-291/ 4	95- 95/ 1	10R -20S / 2	0 -10MS/ 4	0 -60MR/ 3	0-7/ 4	2-7/ 2
63	950- 7684/ 4	141-290/ 4	95- 95/ 1	10R -50S / 2	0 -10MR/ 4	0 -40MR/ 3	0-7/ 4	0-7/ 2
61	2083- 8714/ 4	145-294/ 4	80- 80/ 1	10R -10S / 2	0 -10MS/ 4	0 -70S / 3	0-4/ 4	0-5/ 2
76	1216- 8093/ 4	138-296/ 4	95- 95/ 1	25MR-20S / 2	0 - 1MR/ 3	10R -90S / 4	0-7/ 4	0-7/ 2
89	1233- 6166/ 4	140-287/ 4	95- 95/ 1	5R -20S / 2	0 -90X / 4	1MR-80X / 4	0-5/ 4	0-7/ 2
52	933- 5906/ 4	141-284/ 4	95- 95/ 1	25R -50S / 2	0 - 1R / 3	1MR-60MS/ 3	0-7/ 4	0-7/ 2
56	766- 7635/ 4	141-286/ 4	95- 95/ 1	1R -10S / 2	0 - 1R / 3	0 -90S / 3	0-8/ 4	4-5/ 2
37	1400- 6700/ 4	139-278/ 4	95- 95/ 1	20R -20S / 2	0 -40S / 4	0 -80S / 4	0-8/ 4	4-7/ 2
77	1016- 7744/ 4	139-296/ 4	95- 95/ 1	20MR-20S / 2	0 - 1MR/ 3	5R -99S / 4	0-6/ 4	0-9/ 2
72	1200- 7818/ 4	141-289/ 4	95- 95/ 1	20R -20S / 2	0 - 5MR/ 4	0 -80S / 3	3-8/ 4	0-7/ 2
79	1100- 8319/ 4	142-293/ 4	95- 95/ 1	30MR-30S / 2	0 - 5MS/ 4	1MR-40MR/ 3	3-8/ 4	0-7/ 2
93	433- 5731/ 4	141-288/ 4	95- 95/ 1	10R -70S / 2	0 - 1MR/ 3	1MR-80MS/ 3	0-9/ 4	0-7/ 2
73	350- 7829/ 4	141-288/ 4	95- 95/ 1	20R -30S / 2	0 -20S / 3	0 -70S / 4	0-9/ 4	0-5/ 2
30	1200- 6541/ 4	146-290/ 4	95- 95/ 1	0 - 1MR/ 3	0 -10MS/ 4	0 - 5R / 2	0-5/ 4	0-5/ 2
69	883- 6174/ 4	140-293/ 4	95- 95/ 1	5R -60S / 2	0 - 1R / 3	1MR-80X / 4	0-6/ 4	0-7/ 2
35	1550- 6325/ 4	144-287/ 4	95- 95/ 1	0 -10R / 2	0 - 5MS/ 4	0 -80MR/ 3	0-8/ 4	0-7/ 2
70	1533- 4708/ 4	143-294/ 4	95- 95/ 1	10R -10S / 2	0 -10MR/ 4	0 - 5R / 3	3-6/ 4	0-3/ 2
62	1366- 6710/ 4	144-295/ 4	95- 95/ 1	5R -10S / 2	0 -10MS/ 4	1MR-60X / 3	0-5/ 4	0-7/ 2
21	600- 5991/ 4	139-287/ 4	95- 95/ 1	1MS-20S / 3	0 -30S / 4	1MR-99S / 4	0-7/ 4	0-5/ 2
7	700- 7434/ 4	141-287/ 4	95- 95/ 1	0 -10R / 3	0 - 1R / 3	1R - 5MR/ 3	0-7/ 4	0-0/ 1

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

Entry Number	Minimum-Maximum/Number of Locations Reporting for the Following Trait: Yield (Kg/Ha)	Days to Flower From Jan 1	Winter Hardiness (%)	Puccinia Striiformis	Puccinia Recondita	Puccinia Graminis	Septoria (0-9)	Mildew (0-9)
65	386- 6203/ 6	111-201/13	70-100/ 5	0 -99S / 3	00 -10MS/ 3	1R - 1R / 1	5-9/ 2	3-5/ 2
84	466- 8163/ 7	112-200/13	75-100/ 5	0 -99S / 2	00 -20MS/ 4	00 - 5MR/ 2	5-9/ 2	3-5/ 2
22	546- 7830/ 8	111-196/13	20-100/ 6	0 -25S / 4	5MS-80S / 4	60S -60S / 1	4-9/ 2	3-3/ 1
47	567- 6663/ 7	114-202/13	75- 95/ 5	0 -20S / 5	5MS- 5MS/ 2	00 - 00 / 1	0-5/ 2	2-3/ 2
69	400- 8746/ 7	112-198/12	83-100/ 5	1R -70S / 5	1R -30MR/ 5	1R -40S / 3	4-9/ 2	2-9/ 2
83	433- 7500/ 7	114-196/13	80-100/ 5	0 - 5R / 3	00 - 1MS/ 2	1MR- 5MR/ 2	7-9/ 2	5-7/ 2
21	321- 9412/ 8	111-200/13	10-100/ 6	0 -25MS/ 3	10R -70S / 5	1S -70S / 2	5-9/ 2	1-3/ 2
93	379- 8000/ 7	113-210/13	88-100/ 5	0 -70S / 3	00 - 1R / 3	1MR- 1MR/ 1	4-7/ 2	5-6/ 2
58	599- 8080/ 6	114-204/13	41- 98/ 5	0 - 5R / 2	00 -50S / 3	00 - 00 / 1	5-9/ 2	3-3/ 2
72	332- 6330/ 7	114-199/13	70-100/ 5	0 - 5R / 3	00 - 5MR/ 2	1S -15MS/ 2	4-9/ 2	3-9/ 2
53	533- 5830/ 6	114-201/12	80-100/ 5	0 -99S / 4	1R -10R / 3	1R -10R / 2	5-9/ 2	3-6/ 3
4	383- 8163/ 7	111-197/13	70- 94/ 5	0 -99S / 6	00 -30S / 3	20R -80S / 4	6-9/ 2	2-6/ 2
89	400- 7830/ 7	112-207/12	70-100/ 5	5R -60M / 3	10R -30S / 5	5S - 5S / 1	4-5/ 2	3-8/ 3
73	321- 5830/ 7	113-197/13	70-100/ 5	0 - 5R / 2	5M - 5M / 1	5MR-15MS/ 4	6-7/ 2	2-9/ 2
75	300- 6830/ 8	119-204/13	50- 98/ 5	0 -99S / 6	00 -10MS/ 2	5R -30S / 4	4-9/ 2	4-9/ 3
92	321- 9000/ 7	113-208/13	80-100/ 5	1R -99S / 3	00 - 5MS/ 2	5MR- 5MR/ 1	5-7/ 2	5-5/ 2
76	299- 8329/ 6	116-203/13	66-100/ 5	0 -99S / 6	00 -15MS/ 3	10R -30S / 3	6-9/ 2	4-9/ 2
23	400- 8329/ 7	111-200/13	20-100/ 6	0 -25MS/ 3	5MS-20MS/ 5	20R -70S / 3	6-9/ 2	1-3/ 2
85	439- 7500/ 7	113-194/13	52-100/ 5	0 -99S / 3	00 - 5S / 4	1R - 5R / 2	6-9/ 2	5-5/ 2
64	632- 7913/ 7	113-205/13	5-100/ 6	0 -99S / 3	1R -60S / 4	20M -20M / 1	5-9/ 2	2-5/ 2
56	373- 6330/ 8	113-200/13	79- 98/ 5	1R -99S / 4	10M -15S / 2	30S -30S / 1	5-9/ 2	5-6/ 3
24	506- 8746/ 7	112-207/13	40-100/ 6	0 -40S / 3	1S -40S / 5	1R -60S / 3	5-5/ 2	1-3/ 2
46	466- 7163/ 6	115-200/13	80- 97/ 5	1R -40S / 5	5MS-40MS/ 5	5M -20R / 2	0-5/ 2	4-7/ 2
37	267- 6913/ 6	112-200/13	68- 93/ 5	20S -99S / 2	20MR-90S / 4	5R -90S / 3	5-9/ 2	4-8/ 3
52	599- 7830/ 7	112-205/13	60-100/ 5	0 - 5R / 3	5MR-10MS/ 3	1S -60S / 2	6-9/ 2	3-5/ 2

TABLE 15. Pedigrees of Lines Selected for Best Performance in the Following Eleven Catagories: (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		25	1								
2	BEZOSTAJA			2								
3	ANZA		3	3						20		
4	RSK	25	4	4								12
6	ND/VG9144//WOP			13					15			
7	VPM/MOS83-11-4-8//PEW			21	3	6			10		25	
8	TJB406-892/MON			25					25			
9	VORO/3/TOB/CNO//ANZA			25		11						
10	VORO/3/TOB/CNO//ANZA			8		5						
11	MALWA/BJY	2										
12	M2824/II50-17//MNE/3/COC					1						

ENTRY	PEDIGREE	RANK BY CATEGORY										
		1	2	3	4	5	6	7	8	9	10	11
13	093-44/KVZ//ALD	14					6	18				
14	D6301/HN7//ERA/3/BUC				17	16						
15	TJB368-251/BUC	17			15			21				
16	TJB368-251/BUC	13		18		25						
17	TJB916-46/CB306//2*MHB/3/BUC				10			23				
18	TJB916-46/CB306//2*MHB/3/BUC				5							
19	NOR/2*YMH//TOB,F1/3/TF44								14			
21	VPM/MOS83-11-4-8//S948-A1/4*CNO/3/ CD/P101//DRC	5							6		24	7
22	VPM/MOS83-11-4-8//S948-A1/4*CNO/3/ CD/P101//DRC	18	2	25					2			3
23	VPM/MOS83-11-4-8//S948-A1/4*CNO/3/ CD/P101//DRC	15	19						3			18
24	VPM/MOS83-11-4-8//S948-A1/4*CNO/3/ CD/P101//DRC	21	20						5			25
25	VPM/MOS83-11-4-8//S948-A1/4*CNO/3/ CD/P101//DRC		10									
26	VPM/MOS83-11-4-8//S948-A1/4*CNO/3/ CD/P101//DRC	9						12				
28	AU/JUP/5/GLL/4/JD/JB//GB/3/SX	12								6		
29	AU/JUP/5/GLL/4/JD/JB//GB/3/SX									23		
30	MVR5/PVN//TAST				9		14	9	25		19	

ENTRY	PEDIGREE	RANK BY CATEGORY										
		1	2	3	4	5	6	7	8	9	10	11
31	MVR5/PVN//TAST						5		17			
32	MVR5/PVN//TAST		24				10		12	14		
33	MVR5/PVN//TAST							4				
34	MVR5/PVN//TAST				25	7		10	25			
35	MVR5/PVN//TAST			4			21				21	
37	WRM/4/FN/3*TH//K58/2*N/3/MY54/N10B//AN/TTM/6/SWM789439		2							12	13	25
38	RNA/LV13//H499-71A/JUP/3/BEZ/BT// PI178383/WA4765		20	15	19					25		
39	LFN/VOGAF/3/KAL/BB/ALD/4/RPB705-75/BUC			6				16				
41	LFN/VOGAF/3/KAL/BB/ALD/4/RPB705-75/BUC							7	16			
44	CLLF/PCH//P101/VOGAF/3/BUC/4/CAR/ MGP	18							9			
45	CLLF/PCH//P101/VOGAF/3/BUC/4/CAR/ MGP	11							4			
46	PGFN//D6301/NAI/3/ANZA/4/ALDAN/7/ SWM789637		11									25
47	PGFN//D6301/NAI/3/ANZA/4/ALDAN/7/ SWM789637		6		18		8		18	10		4
48	RMNF59-71/SNB			25	13	23						
50	RBS/KZM,F1/4/F1-T//62A/4793-7/3/CC /INIA//CAL/5/SIS			25								
52	SAVA/NAC	24	14			21				11	11	25

ENTRY	PEDIGREE	RANK BY CATEGORY										
		1	2	3	4	5	6	7	8	9	10	11
53	APF S /PEW S		22	14	23		9			2		11
55	SHS/CI12703//SSN27/3/BUC S		7		22					25	2	
56	SHS/CI12703//SSN27/3/BUC S		10								12	25
57	SU92/CI13465//PGFN/3/PHO/4/YMH/TOB//BEZ						13					
58	YT54/N10B//NAR/3/HYS/4/KVZ/CNO/CHR//ON/5/ARIC232-69/		13			17			11	13		9
59	YT54/N10B//NAR/3/HYS/4/KVZ/CNO/CHR//ON/5/ARIC232-69/					14	2					
61	YMH/HYS//HYS/TUR3055/3/DGA/4/VPM/ MOS		1		7	25		14	1	25	8	
62	YMH/HYS//HYS/TUR3055/3/DGA/4/VPM/ MOS		15		4	18		6	7		23	
63	CTFN/NAI//ANZA/3/PVN/4/TJB788-1089/ PVN		3				18		8	9	7	
64	CTFN/NAI//ANZA/3/PVN/4/TJB788-1089/ PVN		4		25					4	6	25
65	AMD/MAYA74/SPRW//SAP		21	1	12		25			1	5	1
66	VPM/MOS3-11-4-8//NAC76		6		2			8		16		
68	TOB66/6720//TRM73						15					
69	7C/CNO//CAL/3/PEW		-	17	9			17			20	5
70	AU/3/MINN//HK/38MA/4/YMH/ERA/5/DGA					22	12				22	
71	C182-27-058/3/YMH/P101//69-148/YMH		25		16			15				

ENTRY	PEDIGREE	RANK BY CATEGORY										
		1	2	3	4	5	6	7	8	9	10	11
72	PIN39/PEW S		16	22		4				15	15	10
73	PIN39/PEW S		8				19			3	18	14
74	RDL/DRC//PVN	20										
75	ND/VG9144//WOP	19									3	15
76	ND/VG9144//WOP	10									9	17
77	ND/VG9144//WOP										14	
78	RPB14-68/4/KVZ/3/CNO/CHR//ON	23										
79	TJB916-46/CB306//2*MHB/3/BUC	8				8	7		21	8	16	
81	NOR/2*YMH//TOB,F1/3/TF44							3	22			
82	NOR/2*YMH//TOB,F1/3/TF44				11			19	13			
83	F12-71//FURY/ANA75	12		1	20	19	11			19		6
84	RBS/ANZA/3/KVZ/HYS//YMH/TOB/4/BOW S	7	23	5		9	4		20	17	1	2
85	AU/3/MINN//HK/MDA38/4/YMH/ERA/5/BOW	5				20	3			21	4	19
86	RMNF50-68/BUN,F1/3/I158-57//YMH/2* P101				14			13				
87	AVC/BCH					10						
88	AVC/BCH							25				

ENTRY	PEDIGREE	RANK BY CATEGORY										
		1	2	3	4	5	6	7	8	9	10	11
89	CAR113/3/PI/MZ//CNO/3/LFN		19	11				2			10	13
90	VORO-VB4-279-2/DGA//HLI10							1				
91	MVR5/PVN//TAST						16					
92	BGS-SORT/CHAT//PMF/LFN	22		7			17			5		16
93	2CA542C-SKP/NZT//NAC/5/GLL/4/JD/JB//GB/3/SX			3		12	25			25	17	8
94	2CA542C-SKP/NZT//NAC/5/GLL/4/JD/JB//GB/3/SX	25						20				
95	2CA542C-SKP/NZT//NAC/5/GLL/4/JD/JB//GB/3/SX				12		20			22		
96	YT54/N10B//NAR/3/HYS/4/KVZ/CNO/CHR//ON/5/ARIC232-69/ALD				1	3	1	11				
97	YT54/N10B//NAR/3/HYS/4/KVZ/CNO/CHR//ON/5/ARIC232-69/ALD				8	2		25		18		
98	ANZA/4/WRM/3/JD/JB//GB/4/ALD/5/F12-71				21	15	23					
99	VPM/MOS3-11-4-8//NAC76	9		17	16		22	22	19			
101	VPM/MOS3-11-4-8//NAC76	16			6		25			7		
102	NS738/4/BB//TOB/CNO/3/HUAC					13		5				

APPENDIX

APPENDIX 1. Location Table for Data Returned Too Late for Computerized Summary
TABLE 3- 62. Entries Selected for Over All Agronomic Performance at Location 62 in Rainfall Zone 3

COUNTRY: Peru
STATE:
STATION: El Montaro
COOPERATORS: J. Calderon C., J. Mandujano M.

LATITUDE: 12°14'S LONGITUDE: 75°12'W ELEVATION: 3325M
DATE PLANTED: 17/06/86 DATE HARVESTED: 08/07/87
MOISTURE: MM TOTAL FERTILIZER: 12n 12p 12k
LOCAL CHECK VARIETY USED IN THIS NURSERY: Chumpi BN

COMMENTS: Aphids. BYDV score (0-9) is recorded in the miscellaneous column.

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		100		145		147	99S								
143				92		128									
93				100		129									
122				90		132									
4				85		137	99S								
172				96		137	10S								
102				108		137									
18				102		138									
104				84		138									
8				98		138	1MR								
28				75		139								1	
35				92		139									
22				94		139									
25				73		139									
123				95		139									
17				68		139								1	
27				73		140									
138				99		140									
38				90		140									
127				96		140									
73				97		141									
1				114		141	5MS							1	
116				102		141									
37				82		141									
36				83		141									
110				92		141									