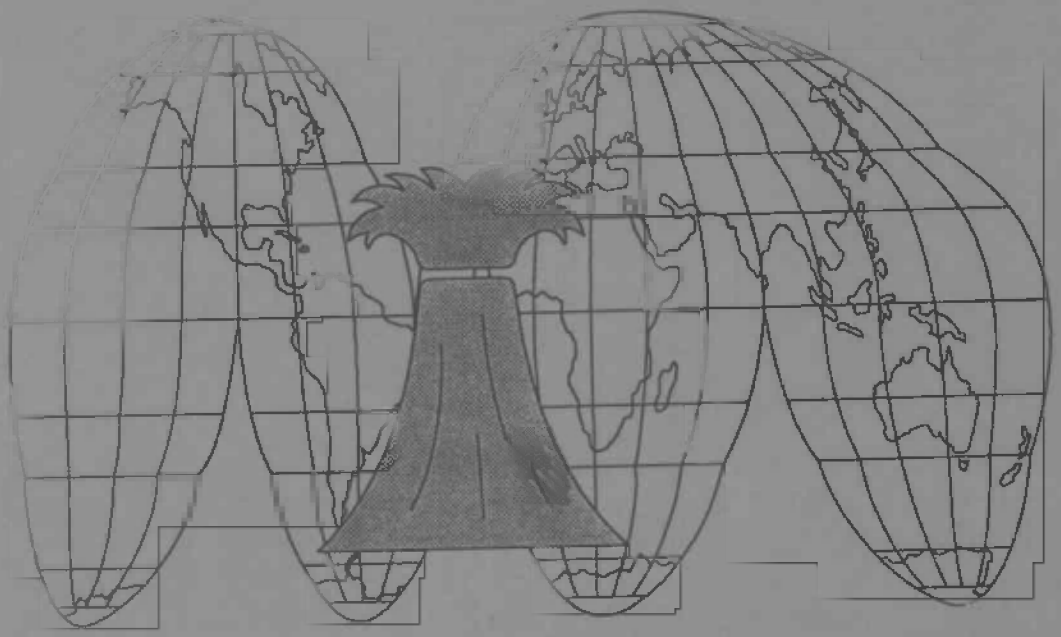
Results of the Fifteenth International Early Maturing Winter X Spring Wheat Screening Nursery (1987-1988)



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Agricultural Experiment Station
Oregon State University, Corvallis

The Agency for International Development
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The International Maize and Wheat
Improvement Center

About This Report

This publication, Oregon Agricultural Experiment Station Report 857, reports the results of the fifteenth international early maturing winter x spring wheat screening nursery. It is identified as volume 15(1). Oregon Agricultural Experiment Station Report 858 is a companion publication, designated as volume 15(2). It reports the results of the fifteenth international late maturing winter x spring wheat screening nursery.

CONTENTS

INTRODUCTION

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

This cooperative program provides a) a source of exchanged wheat germplasm, b) an accumulation of agronomic and disease data, c) occasional visits to cooperating locations by participating scientists, d) exchange of research information, and e) a means of identifying future students for graduate study at OSU and other institutes. The overall objective is to strengthen national programs in developing countries.

The 15th International Winter x Spring Wheat Screening Nursery (IWSWSN) represents the last screening nursery distributed under the current grant. For wheat, rather than screening nurseries, those cooperators wishing to participate received selected bulked F_4 populations, crossing blocks, or selected germplasm for specific attributes. From the bulked F_4 populations it was possible to select for adaptation to specific localities as considerable genetic variability is available within the populations. Lines which are selected by various programs are shared within regions such as the Turkish Screening Nursery or nurseries coordinated by the International Center for Agricultural Research in Dry Areas (ICARDA). Hopefully similar regional screening nurseries will be established in the Southern Cone region of South America and in the Far East. Such F_4 wheat germplasm distributed by OSU did not require the collection and reporting of data on a formal basis as in the past; however, as promising materials were selected within a region, it is desirable to recycle them through the winter x spring crossing program. Likewise, information on specific attributes such as resistance to particular diseases can be reported on an informal basis. This change in the way OSU handles the dissemination of wheat germplasm was prompted by reductions in funding and a request that greater efforts be directed toward barley and some aspects of biotechnology.

In 1988-89, a survey was conducted with many of the participating cooperators. Their efforts in making the results of the summary as meaningful as possible are greatly appreciated. A summary of the survey is provided with this report as an insert.

As a consequence of the survey and a promise of future funding, the spring x winter enhanced wheat germplasm program will be reinitiated in 1990. The same format in reporting and summarizing data will be employed. In addition, selected F_4 lines will be sent to international centers in Mexico, Turkey, and Syria for further selection. Promising lines will be evaluated in regional screening nurseries. Also a greater effort will be placed on developing germplasm for high elevation winter and facultative growing areas. This latter program will establish a closer link with ICARDA.

We anticipate that the winter and facultative barley program at OSU will become part of the Montana State University - ICARDA germplasm enhancement program.

The Fifteenth International Winter X Spring Wheat Screening Nursery was divided into two sections based on the time of maturation. Results of the early maturity nursery are reported herein.

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 geographically and as a 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 growing season less than seven months long require materials require early maturing and frost tolerant material.

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 0-to-9 scale with 9 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. These are listed in the miscellaneous (MISC) column according to a code, and identified in the comments on the appropriate table, (e.g. 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 weighting 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, 26 entries are listed based on their yield reponse over all locations. Entries 11 and 99 (MALWA/BJY and VPM/MOS3-11-4-8//NAC76) reflect the large range of yields depending on locations 352-11262 and 294-10545 Kg/Ha respectively. Eleven cooperators reported yields for both entries. Information on other traits measured and the number of cooperators involved are also reported. 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 the following year. As previously noted, similar comparisons for other traits are found in Tables 5 through 14.

For comparison purposes of the entries, Table 15 is of the most interest. 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 110 AU/3/MIN//HK/MDA38/4/YMH/ERA/5/BOW ranked number 1 in overall performance in the high rainfall zone and 3 in winterhardiness, but failed to make the top 25 in any other category.

In contrast, entry 47 (RBS/ANZA/3/KVZ/HYS//YMH/TOB/4/BON was in the top 25 in 7 categories while two sister lines, entries 48 and 49 were in the top 25 for 8 of the traits measured. Other entries which appeared to be outstanding for five or more traits include entries 22, 58, 65, 66, 84, 85, 90, and 98.

Selections Advanced

In Table 3, where the agronomic traits for the entries are provided, those entries identified for further testing are listed. 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, 60 entries were identified for further testing by cooperators. Entries 54, 68, and 90 were the most often selected for further evaluations.

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 regarding genetic erosion, varietal protection laws, and political issues regarding access to germplasm, the importance of programs like CIMMYT, ICARDA, and OSU promoting 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 of biotechnology and recombinant DNA, there is still no substitute for the enhancement and distribution of germplasm.

ACKNOWLEDGEMENTS

We greatly appreciate the excellent collaboration of all the researchers who returned data and evaluated entries. 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

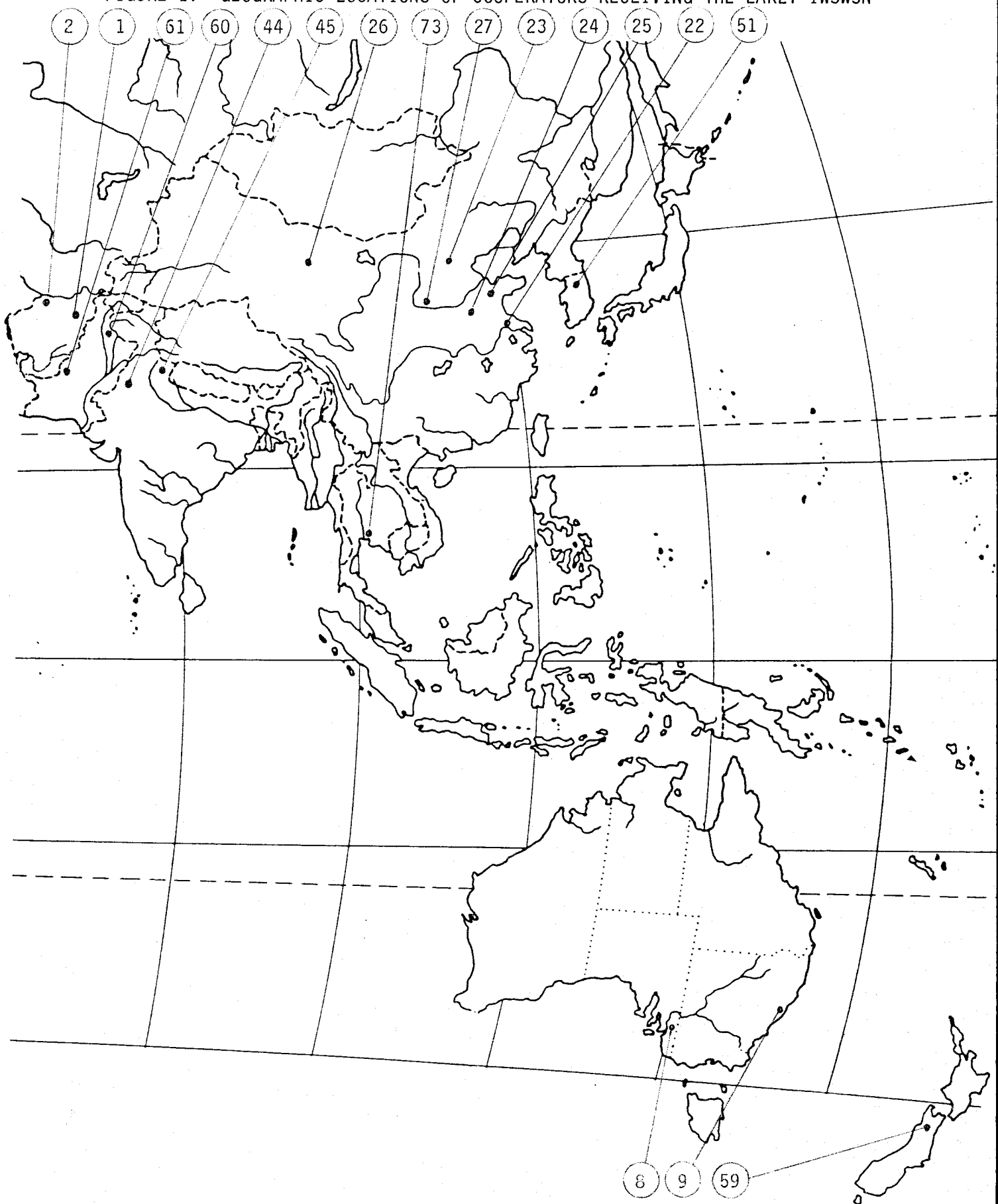


FIGURE 1. (CONT'D)

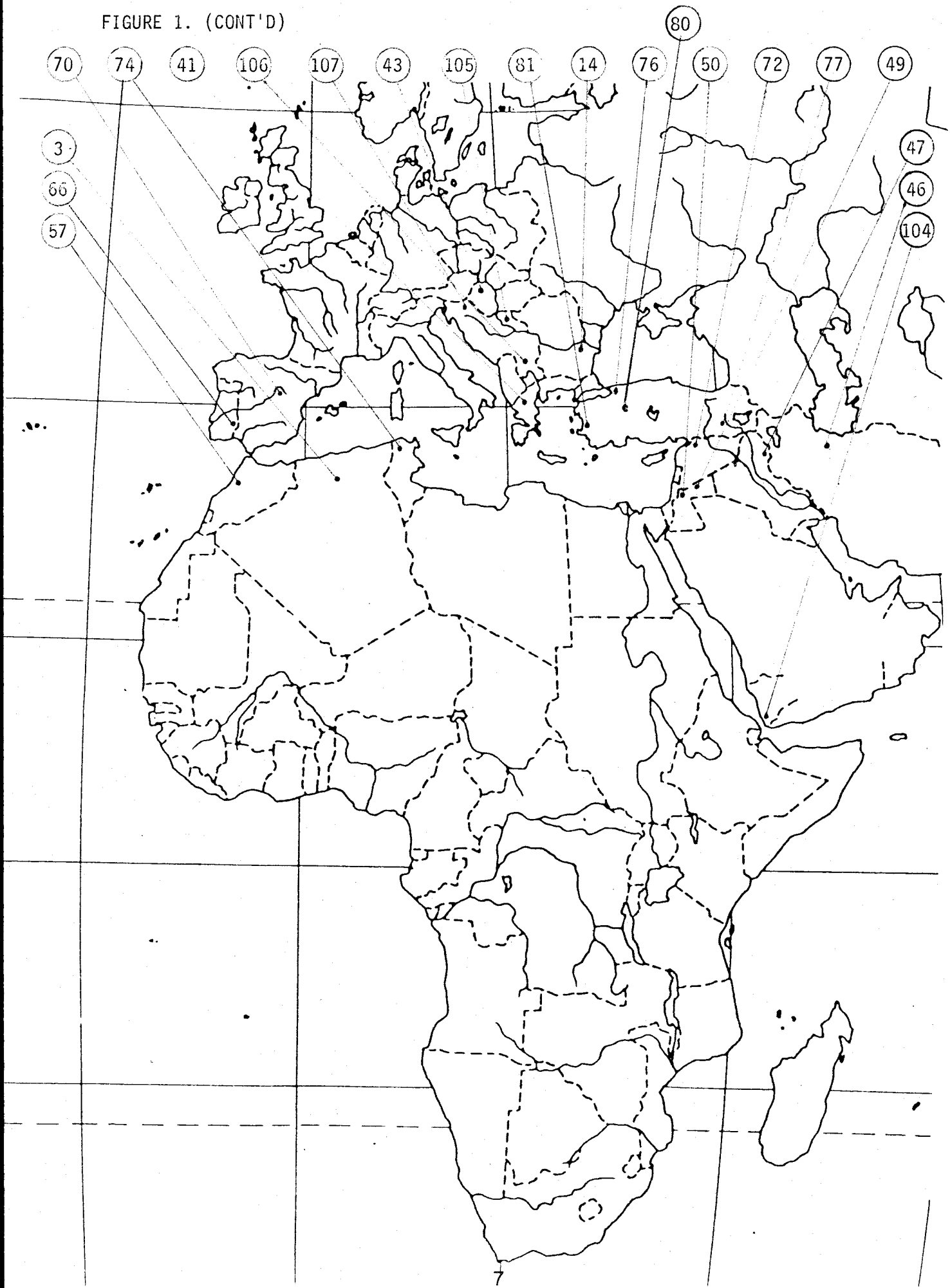


FIGURE 1. (CONT'D)

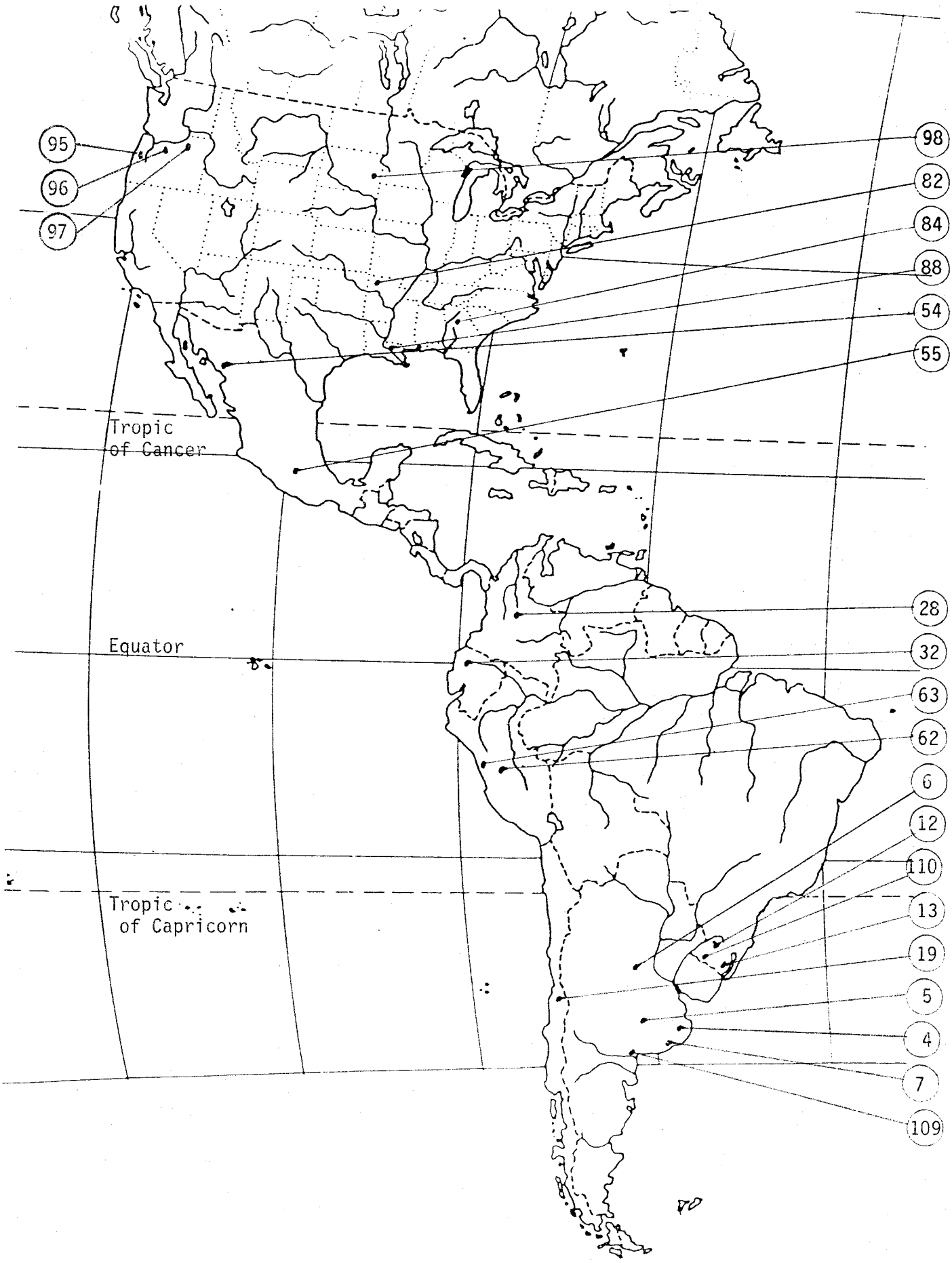
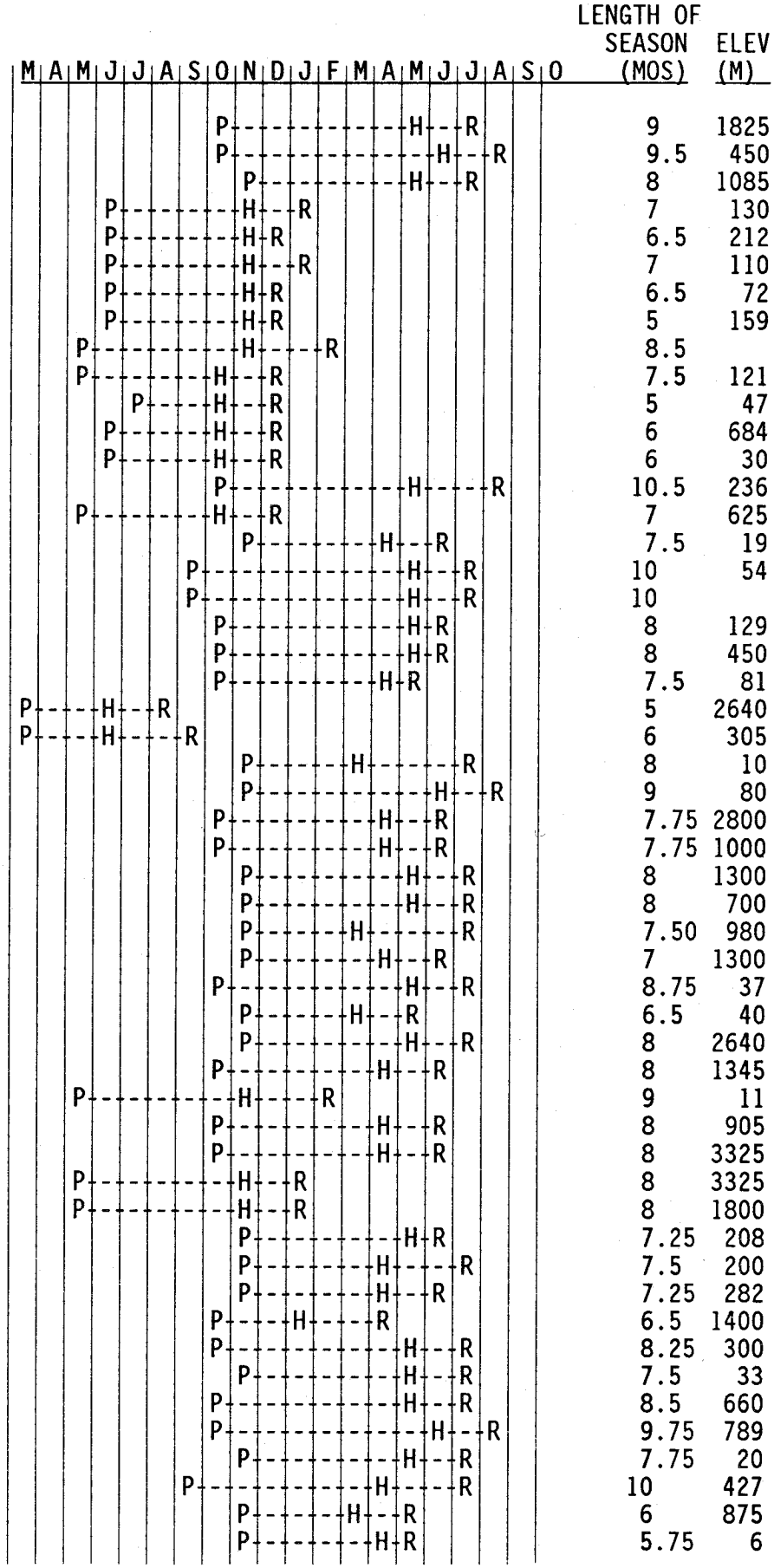


FIGURE 2. DATES OF PLANTING (P), HEADING (H), AND HARVEST (R) FOR ALL LOCATIONS EVALUATING THE EARLY IWSWSN.



LOCATIONS	LENGTH OF SEASON (MOS)	ELEV (M)
Afghanistan, Kabul (1)	9	1825
Afghanistan, Kunduz (2)	9.5	450
Algeria, Setif (3)	8	1085
Argentina, Balcarce (4)	7	130
Argentina, Bordenave (5)	6.5	212
Argentina, Marcos Juarez (6)	7	110
Argentina, Criadero Buck (7)	6.5	72
Argentina, Bahia Blanca (109)	5	159
Australia, Roseworthy (8)	8.5	
Australia, Sydney (9)	7.5	121
Brazil, Cruz Alta (110)	5	47
Brazil, Passo Fundo (12)	6	684
Brazil, Pelotas (13)	6	30
Bulgaria, Tolbuhin (14)	10.5	236
Chile, Santiago (19)	7	625
China, Nanjing, Jiangsu (22)	7.5	19
China, Beijing (23)	10	54
China, Shi-Jia-Zhuang (24)	10	
China, Taian-Shandong (25)	8	129
China, Wugong-Shaanxi (26)	8	450
China, Zhengzhou, Henan (27)	7.5	81
Colombia, Bogota (28)	5	2640
Ecuador, St. Catalina (32)	6	305
Greece, Thessaloniki (41)	8	10
Hungary, Szeged (43)	9	80
India, Kashimir (44)	7.75	2800
India, Nainital (45)	7.75	1000
Iran, Karaj (46)	8	1300
Iraq, Bakra-Jo (47)	8	700
Jordan, Amman (49)	7.50	980
Jordan, Shobak (50)	7	1300
Korea, Suweon (51)	8.75	37
Mexico, Ciano (54)	6.5	40
Mexico, Toluca (55)	8	2640
Morocco, Annoceur (57)	8	1345
New Zealand, Christchurch (59)	9	11
Pakistan, Kagham (60)	8	905
Pakistan, Quetta (61)	8	3325
Peru, El Montaro (62)	8	3325
Peru, Puno (63)	8	1800
Portugal, Elvas (66)	7.25	208
Spain, Guadajira (70)	7.5	200
Syria, Aleppo (72)	7.25	282
Thailand, Bangkok (73)	6.5	1400
Tunisia, Kef (74)	8.25	300
Turkey, Adapazari (76)	7.5	33
Turkey, Diyarbakir (77)	8.5	660
Turkey, Eskisehir (80)	9.75	789
Turkey, Izmir (81)	7.75	20
USA, Arkansas (82)	10	427
USA, Georgia (84)	6	875
USA, Louisiana (88)	5.75	6

FIGURE 2. (cont'd)

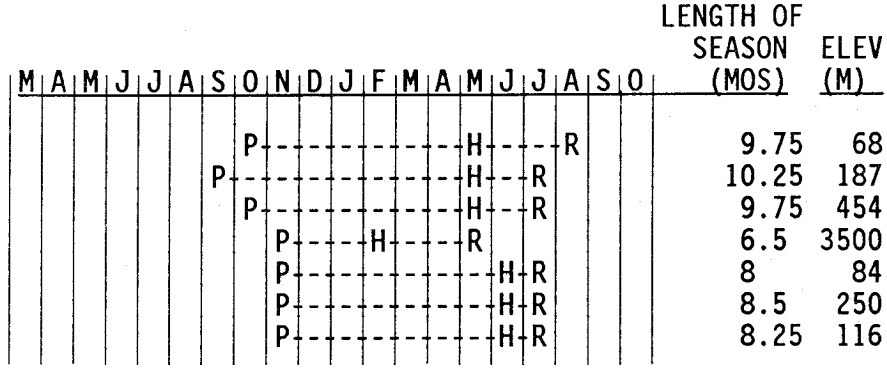


TABLE 1. Location of Scientists and Their Agencies Cooperating with the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

CODE	COUNTRY	STATION	COOPERATOR(S)	SEASONAL RAINFALL MM	ZONE	ELEV M	LATITUDE LONGITUDE	PLANTED HARVESTED	APPLIED	LOCAL VARIETY DATA RETURNED
4	ARGENTINA	INTA-EEA BALCARCE	J.H. BARIFFI, L. GONI, H. DELMAGIN	767	2	130	37 45'S 58°18'W	27/5/87 4/1/88	18N 46P	BUCK NAPOSTA *****
5	ARGENTINA	INTA-EEA BORDENAVE	JUAN RAMON LOPEZ	392	1	212	37°50'S 63°01'W	22/06/87 / /88		*****
6	ARGENTINA	INTA-EEA MARCOS JUAREZ	WHEAT STAFF	197	1	110	32°42'S 62°07'W	06/03/87		LOS ROSA INTA *****
7	ARGENTINA	CRIADERO BUCK	JOSE BUCK S.A.	335	1	72	38°20'S 59°00'W	10/08/87 15/01/88	64N 46P	BUCK OMBU *****
109	ARGENTINA	CRIADERO-A.C.A.	R. MIRANDA, A. JUNQUERA, J.C. SALVA	249	1	159	38°29'S 61°59'W	23/08/88 28/12/88		COOP-LIQUEN *****
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, D.L. MILNE, W.B. DYER		1	121	33°44'S 151°10'E	01/05/87 /11/88		*****
12	BRAZIL	CNPT-PASSO FUNDO	CANTIDIO N.A. DE SOUSA	863	3	684	28°15'S 52°24'W	26/06/87 /10/87	13N 63P 63K	BR14 AND CEP11 *****
19	CHILE	LA PLATINA	I. RAMIREZ AND WHEAT STAFF	795	2	625	33°34'S 70°38'W	18/06/87 10/01/88	90N 60P	MAITEN INIA *****
22	CHINA	INST. OF FOOD CROPS-JIANGSU ACADEM	CAO YANG	444	1	8.9	32° 'N 118°48'E	25/10/87 6/06/88	100N	NING MAI-3 *****
23	CHINA	C.A.A.S.	HENG-LI WANG	176	3	54	39°59'N 116°17'E	22/10/87 24/06/88	134N 165P 31K	FENG KANG 2 *****
24	China	Shi jia zhuang	Sun Fng Rui		3	80	38°03'N 114°28'E			No response to letter

TABLE 1, continued

CODE	COUNTRY	STATION	COOPERATOR(S)	SEASONAL RAINFALL MM	ZONE	ELEV M	LATITUDE LONGITUDE	PLANTED HARVESTED	APPLIED	LOCAL VARIETY DATA RETURNED
25	China	Shandong Agricultural Univers	Q. Q. Li, W. Y. Bao, A. F. Li		3	129	36°10'N 117°09'E			No response to letter
26	CHINA	YANG LING	NING KUN	307	2	455	34°21'N 108 10'E	05/10/87 15/06/88	45N 45P	XIAO YAN 6 *****
27	CHINA	HENAN WHEAT RES. INST.	Z. DE FANG	181	1	808	34 49'N 113°40'E	06/10/87 08/06/88	245N 124P 124	BAOFENG 7228 *****
32	Ecuador	Sta. Catalina-INIAP	INIAP/CIMMYT		3	3058	00°22'S 78°33'W			No response to letter
46	Iran	Karaj Central Res. Sta.	N. Banisadr		3	1300	50°35'N 58°50'E			No response to letter
47	Iraq	Bakrajo, Sulaimanya	A. Alaka, A. Smhama		3	700	36°05'N 46°05'E			No response to letter
51	KOREA	WHEAT AND BARLEY INST.	CHON SUK PARK	323	1	37	36°19'N 126°59'E	05/10/87 01/07/88	120N 90P 70K	GEURUMIL *****
54	Mexico	Ciano	S. Rajaram and CIMMYT		3	38	27°20'N 109°54'W			No response to letter
55	MEXICO	TOLUCA	CIMMYT STAFF	540	3	2640	19°16'N 99°15'W	11/11/87 / /88		*****
57	Morocco	Annoceur - Rabat	M. Jlibene		1	1345	34°30'N 4°40'W			No response to letter
59	NEW ZEALAND	LINCOLN	W.B. GRIFFIN	275	2	11	43°38'S 172°30'E	27/05/87	150N 24P	KOTARE *****
60	PAKISTAN	HILL AG. RES. STATION-KAGHAN	G.H. KAHN, S. HUSSAIN AND STAFF	28	3	2103	37°78'N 73°57'E	12/11/87 10/07/88	140N 70P	PAK 81 *****
61	PAKISTAN	A.R.I. SARIAB QUETTA	WHEAT BOTANIST		1	1666	26°06'N 40°07'E	19/11/87 25/06/88	120N 70P	ZARGHOON-79 *****
62	Peru	El Montaro	J. Calderon C., J.		3	3325	12°04'S			

TABLE 1, continued

CODE	COUNTRY	STATION	COOPERATOR(S)	SEASONAL RAINFALL MM	ZONE	ELEV M	LATITUDE LONGITUDE	PLANTED HARVESTED	APPLIED	LOCAL VARIETY DATA RETURNED
63	Peru	Puno	M. Romero-Loli		1	1800	15°90'S 70°05'W			No response to letter
72	Syria	ICARDA	M. Tahir		1	282	36°05'N 36°55'E			No response to letter
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	MAIZE RES. INST.	DR. H. BOSTANCIOGLU	678	3	31	40°47'N 29° 'E	04/01/88 20/07/88	200N 70P	ORSO *****
77	TURKEY	S.E. ANTOLIAN AG. RES.-DIYARBAKIR	F. OZBERK, I. OZBERK	755	2	660	37°55'N 40°12'E	10/10/87 01/07/88	60N 60P	*****
80	Turkey	Eskisehir	B. Suzen		2	789	36°45'N 30°45'E			No response to letter
81	Turkey	EGE Bolge Zirai-Izmir	Ertug Firat		3	20	38°35'N 27°05'E			No response to letter
82	U.S.A.	UNIV. OF ARKANSAS	R.K. BACON	826	3	412	36°06'N 94°10'W	13/10/87 22/06/88	112N	ROSEN *****
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	14/10/87 29/07/88	190N	Stephens *****
96	USA	Moro, Oregon	W.E. Kronstad	281	1	187	45°29'N 120°43'W	28/09/87 15/07/88	55N	Stephens *****
97	USA	Pendleton, Pendleton	W.E. Kronstad	406	2	454	45°30'N 118°26'W	08/10/87 22/07/88	109N 22S	Stephens *****

TABLE 1, continued

CODE	COUNTRY	STATION	COOPERATOR(S)	SEASONAL RAINFALL MM	SEASONAL RAINFALL ZONE	ELEV M	LATITUDE LONGITUDE	PLANTED APPLIED HARVESTED	LOCAL VARIETY DATA RETURNED
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		No response to letter
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 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
1 BOLAL		BOLAL								HR	ID# =		1153 BOLAL		
4	3330	56	40.	120						2					
5	5272	97	77.9			301	30MS	30MS							
6						284									
7						323		50S	60S						
9							40MS	40S	99S						
12															2
19	4081	80		150				60S	30S						
22			32.4	93		121									
23			40.2	106		133		2MR			3	26	70		
26				117		127	70S			2	1				
27	9712	107	33.2	118		117	25MS				6		95		
51	2900	133	40.8	105	55	140		5R		3	3		100		
55				115		169	60S								1
59						170	80S								
60	388	120	40.	60		205	5MS						60		
61	1666	52		100		116									
76				115				99S			3				
77				113		130	80S								163
82	1829	85		111		119							100		
95	2807	41			100	133	80S								4
96	3498	69													
97	3712	78													4
109															
2 BEZOSTAJA		BEZOSTAJA								HR	ID# =		120 BEZOSTAYA		
4	4162	70	46.	110					10MS	3					
5	2878	53	79.9			309		5MS							
6						294									
7						325			70S						

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
9							10R	1R	60S						
12															1
19	2582	51		120					40S						
22			29.2	84		121									
23			41.1	93		133	2MR				2	57	85	*	
26				89		130	40MS			3	1				
27	8863	97	36.8	106		121	10MS				8		95		
51	2395	110	41.7	98		144		1R		3	3		100		
55				105		175									1
59						170	15MR								
60	235	72	43.	63		204							60		
61	2000	63		82		126									
76				88				60MS							
77				103		133	30S								163
82	1843	86		90		127							78		
95	2739	40			90	140	70S								4
96	5042	100													
97	4058	85													4
109															
3 ANZA		ANZA								HR	ID# =		415 ANZA		
4	2775	46	26.	85						7					
5	4241	78	75.9			298		30S							
6						263									30%
7						311		70S	60S						
9							25R	20MR	70S						
12															3
19	5914	117		90					10MR						
22			26.8	67		119									
23						133						55	0		
26				78		125	40MS			7	4				
27	3098	34	25.2	70		115	25MS				6		60		
51															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
55				80		150									1
59						170	10MR	15MS		2	3				
60	288	89	41.	67		205	10MR						60		
61	2666	84		76		101									
76				80				60MS			7				
77				85		128	20S								161
82	1257	59		71		118							13		
95	5258	77				134		20S							
96	5387	107													
97	4578	96													3
109	1538	88				320									
4	ROUSSALKA		RSK							HR	ID# =		61 ROUSSALKA		
4	2053	34	32.	85					10MS	8					
5	2423	44	74.3			299	20MS								
6						282									
7						317		50S	60S						
9							30R	10R	80S						
12															1
19	4997	99		90					40S						
22			31.6	79		120									
23			34.8	80		130	3S				3	50	90	*	
26				82		124				7	3				
27	7746	85	32.	80		116	25M				8		95		
51	1740	80	34.6	85		138		5R		3	5		100		
55				80		167									1
59						170	20MR			5	4				
60	426	131	40.	70		204	5S						71		
61	1633	51		76		109									
76				85				60MS			5				
77				80		125	99S								161
82	2629	123		84		117							100		
95	5337	78			10	128									3

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
96	4523	90													
97	5629	119													3
109															
5	65-116-70M	SPN								SW	ID# =		332 STEPHENS		
4	5661	95	33.	125						5					
5	4787	88	78.4			299									
6				80		281		20MR	1R	2					
7						309			5R					*	1
9							10R	10R	10R						
12															7
19	5081	100		95				40X	10MR						
22			40.8	91		119									
23			42.3	83		130					3	63	90		
26	4400	100	36.5	74		119	70S			2	2			*	
27	9046	100	32.	80		112	10MS				5		80		
51	2170	100	30.9	75	65	134		5R		3	7		100		
55															
59							20MS	5MR		4					
60	323	100	48.5	62		202							98		
61	3166	100		91		107									
76				78											
77				88		130	40MR	1R							161
82	2129	100		90		123							100		
95	6795	100													
96	5021	100													
97	4726	100													
109	1731	100				323									
6	SWM801034	VORO/BUC S								HR	ID# =		850071 OR8500071P		
4	3663	62	36.	100						4					
5	3605	66	76.1			296	1R	15S							

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
6				80		279		1R	5MS	2					20%
7						311									1
9															
12															3
19	5830	115		105					10MR						
22			36.2	94		120									
23			37.1	78		132		2MR			4	72	5		
26				95		125				1	5				
27	6480	71	29.	94		115	10MS				8		60		
51	1050	48	43.6	80		140		1R		1	3		40		
55				95		163									1
59						170	15MR								
60	176	54	32.	60		200							50		
61	2066	65		92		106									
76				95				5R			5			*	
77				95		136	10MR	10MS							161
82	2415	113		91		117							95		
95	5172	76				133	99S	1R							4
96	4459	88													
97	3182	67													4
109						319									
7	SWM801034		VORO/BUC S							HR	ID# =		850075 OR8500075P		
4	3996	67	38.	100						4					
5	3635	67	75.9			296		30S							
6						289									
7						312									1
9								60S	10R						
12															2
19	5164	102		105				50S	40X						
22			34.8	90		122									
23			38.4	81		131	1R				2	68	10		
26				93		125				1	2				

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
27	9846	108	31.8	103		114	5MS				9		60		
51	1710	78	44.	80		138		1R		1	1		50		
55				95		165									1
59						170	15MR								
60	441	136	34.5	55		198	5MS						70		
61	2733	86		92		106									
76				100				5R			5				
77				80		130		1R							162
82	2715	127		97		117							95		
95	6103	89			10	129	80S								4
96	3998	79													
97	3117	65													4
109						327									
8	SWM801034		VORO/BUC S							HR	ID# =		850078 OR8500078P		
4	4939	83	43.	105						3					
5	3878	71	75.7			302									
6						284									
7						324			20MR						1
9							10R	1R	10R						
12															3
19	3665	72		100					20X						
22			37.6	88		120									
23			39.6	83		131	3S					70	10		
26				101		125				4	1				
27															
51	1585	73	49.	80		138		1R		3	1		55		
55				100		170									1
59						170	15MR								
60	399	123	45.5	45		203							70		
61	3000	94		95		115									
76				95				10MR							
77				95		136									163

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
82	2286	107		99		119							95		
95	4087	60			60	130									4
96	3999	79													
97	3933	83													4
109															
9	SWM801048	ODK 51/PEW S								HR	ID# =	850114 OR8500114S			
4	4828	81	33.	105					5MS	2					
5	2696	49	78.8			303								*	
6						283									
7						323			60S						
9							10R	1R	80S						
12															2
19	4498	89		110				60S	60X						
22			35.2	82		121									
23			33.	90		133					3	65	70	*	
26				100		128				4	1				
27															
51	2165	99	38.4	80		139		1R		1	1		100		
55				100		171									1
59						170	15MS			3					
60	295	91	34.5	60		205							50		
61	2000	63		85		117									
76				95				1R							
77				100		129	40S								163
82	3543	166		94		120							100		
95	2681	39			90	134									4
96	4703	93													
97	4259	90													3
109															
10	SWM801048	ODK 51/PEW S								HR	ID# =	850116 OR8500116P			

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
4	4606	78	40.	100						2					
5	3029	55	76.6			303		5MS							
6						282									
7						322			60S						
9							25R	1R	40MR						
12															2
19	4581	90		105				60S	20S						
22			30.2	91		119									
23			32.7	88		133	2MR					67	70		
26				97		128				7	3				
27	10595	117	31.	91		119	5MS				5		80		
51	2560	117	37.4	75		140		1R		3	1		100		
55				90		171									1
59						170	20MS				3				
60	352	109	40.	75		200							80		
61	2666	84		90		117									
76				90				10MR			5				
77				105		130	20MR								161
82	3215	151		94		120							100		
95	3753	55			70	134	70S								4
96	5175	103													
97	3878	82													3
109															
11	SWM801055		BRK/BOW S							HR	ID# =		850131 OR8500131P		
4	5661	95	43.	110						2					
5	3999	73	80.4			303		1R						*	
6						275									10%
7						319		50S							
9							5R		10R						
12															4
19	7913	156		115					1R						
22			37.2	96		119									

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
23				85		133						59	30		
26				96		128	40MS			5	1				
27	11262	124	34.	102		119	25S				0		60		
51	1895	87	42.6	80		144		1R		3	3		80		
55				105		168									1
59						170	20MR			4					
60	352	109	40.	80		206							85		
61	4000	126		95		117									
76				85				10MR						*	
77				95		130		80S							162
82	3372	158		94		120							90		
95	5760	84				135									4
96	4835	96													
97	3561	75													4
109	1465	84				323									
12	SWM801074		PLK 70/4/CNO/NO//CC/INIA/3/KAL/BB							HR	ID# =		850146 OR8500146P		
4	3996	67	42.	105						2					
5	3848	70	76.4			294		5MR							
6						268									10%
7						313			50MS						
9							20R	1R	70S						
12														*	4
19	6497	128		110				1R	10X						
22			40.	83		122									
23						133						61	0		
26				100		126	40MS			1	4				
27				100		116	25S				3		60		
51	760	35	50.2	65		141		1R		1	0		5		
55				90		155									1
59						170	10MR			5					
60	423	130	50.	68		203							95	*	
61	2733	86		92		111									

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
76				100				40MS							
77				80		136	30MR								162
82	1600	75		91		120							60		
95	4846	71			40	132	40S								4
96	4585	91													
97	3861	81													3
109	1145	66				322									
13	SWM801234		ANZA/4/WRM/3/JD/JB//GB/5/TRM//KAL/BB							HR	ID# =		850316 OR8500316P		
4	2331	39	32.	95						2					
5	3575	65	79.5			300		1R							
6						266									10%
7						315			70S						
9							10R	1R	5R						
12															2
19	6414	127		100				80S	50X						
22			33.6	84		119									
23						133						66	0		
26				94		127	70S			3	2				
27				95		117	25S				5		60		
51	1245	57	41.4	80		144		1R		3	3		40		
55				100		162									1
59						170	15MS			5					
60	441	136	48.5	92		195							70		
61	3400	107		82		106									
76				100				5R			3				
77				105		136	20MR								161
82	3529	165		97		120							80		
95	4601	67			30	133	90S								4
96	3892	77													
97	3521	74													4
109	1784	103				321									

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
14	SWM801237	ASP S/HYS//PEEP S								HR	ID# =	850326 OR8500326P			
4	2220	37	34.	100						3					
5	3090	56	75.9			299									
6						271									10%
7						315		50S	70S						
9							10R	1R	1R						
12														*	6
19	6830	135		105				1R	40S						
22			31.8	80		119									
23												76	0		
26				94		127				7	5				
27	6547	72	24.4	93		116	5MS				7		80		
51	1970	90	39.6	85		141		5R		5	3		85		
55				95		166									1
59						170	30MS								
60	235	72	37.	45		201							60		
61	2666	84		90		117									
76				100				5R							
77				85		135									162
82	1657	77		94		120							80		
95	6621	97				133	70S								2
96	4998	99													
97	3932	83													3
109	1178	68				321									
15	SWM801262	JCAM/EMU S//TAN S								HR	ID# =	850349 OR8500349P			
4	3996	67	36.	105						3					
5	2666	49	79.9			308								*	
6						282									
7						324			5R						
9							5R		5R						

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
12															2
19	4081	80		105				1R	5MR						
22			31.4	86		120									
23			33.9	85		133	2MR					71	5		
26				95		130				4	1				
27	8130	89	32.4	100							0		60		
51	1375	63	37.	85		144		1R		3	3		80		
55				100		176									1
59							5MR			3					
60	235	72	32.5	45		201	10S						45		
61	1666	52		90		125									
76				90				1R							
77				75		136									161
82	2643	124		97		127							100		
95	5345	78				139									3
96	3933	78													
97	3532	74													3
109															
16	SWM801263		JCAM/EMU S //BOW S							HR	ID# =		850361 OR8500361P		
4	6105	103	35.	115						3					
5	4120	75	80.4			302		10MS						*	
6						275									
7						321		50S	60S						
9							30MR	80X	50M						
12															5
19	7330	145		125				80S	30X						
22			24.	110		123									
23												61	0		
26				105		128				4	5				
27	8646	95	28.	111		121					8		60		
51	1680	77	37.2	95		144		1R		1	5		70		
55				105		167									1

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
59						170	15MS								
60	235	72	31.	60		204	5S						50		
61	1666	52		85		126									
76				90				10MR							
77				75		134		20MS							160
82	3258	153		109		126							90		
95	3239	47			80	138									4
96	4841	96													
97	3902	82													2
109	1545	89				327									
17	SWM801797		GHL121/MN72131							HR	ID# =		850571 OR8500571P		
4	5383	91	35.	130					10MS	3					
5	2605	48	77.7			303	15MS	10MS							
6						283									
7						323		50S							
9							50S	1R	90S						
12															2
19	3581	70		125				50S	60X						
22			29.5	89		121									
23			35.4	93		133						69	30		
26				112		130	70S			1	1				
27				113		120	25S				8		95		
51	2385	109	42.6	105		143		1R		3	7		90		
55				115		171	50S								1
59						170	30MS								
60	329	101	40.	60		200							60		
61	333	10		80		128									
76				80				1R			3				
77				80		136	80S								162
82	1357	63		102		126							100		
95	2676	39			90	140	70S								4
96	4764	94													

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
97	3955	83													3
109	1078	62				329									
18	SWM802023		LEDA/3/7C/CNO//CAL/4/T4R(2)							HR	ID# =		850701 OR8500701P		
4	3996	67	39.	115						1					
5	3151	58	76.8			307								*	
6				90		289		10MR	1R	1					
7						330									
9							20R	1R	20R						
12															0
19	6497	128		110					10X						
22			33.	92		120									
23			30.9	85		133	2MR	1R			1	67	80		
26				90		130				5	1				
27				97		122	25S				8		80		
51	2545	117	34.2	90		142		1R		3	5		100		
55				110		172									1
59							1R			3	5				
60	206	63	46.	65		199							40		
61	1333	42		88		125									
76				95				1R			7				
77				80		136									162
82	3672	172		99		121							100		
95	6765	99				139	60S								3
96	5207	103													
97	4677	98													2
109															
19	SWM802023		LEDA/3/7C/CNO//CAL/4/T4R(2)							HR	ID# =		850702 OR8500702P		
4	5661	95	40.	105						2					
5	3029	55	75.9			307									
6						294									

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
7						330		20MR							
9							20R	1R	20R						
12															0
19	3415	67		100					10MR						
22			24.2	98		121									
23			31.7	87		133	2MR				2	59	80		
26				97		130				6	1				
27				97		122	25S				8		80		
51	1890	87	36.4	85		142		10R		1	3		100		
55				100		170									1
59							5R			3	4				
60	264	81	38.5	70		194	5MS						50		
61	1733	54		85		128									
76				90				1R			7				
77				100		132									162
82	3029	142		104		121							100		
95	4208	61			90	139									4
96	5066	100													
97	4411	93													2
109															
21	SW0802056		MIRU/BUN,F1/4/CBC148//CNOS/INIA//LFN/3/KLPE/RAF							HR	ID# =		850799 OR8500799H		
4	3163	53	30.	105						3					
5	3242	59	74.8			302									
6						278									
7						317		20MR							2
9							25R		15R						
12															2
19	6080	120		110				60S	10MR						
22			20.8	73		121									
23			27.8	82		133	2MR	2MR			2	50	5		
26				97		127				3	1				
27				93		119	5MS				8		60		

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
51	1155	53	32.8	90		143		1R		1	3		80		
55				90		164									1
59							10MR			5					
60	282	87	43.	45		200							70		
61	1866	58		82		128									
76				95				1R			5			*	
77				90		125									163
82	1643	77		94		126							90		
95	5851	86				139	70S								2
96	4545	90													
97	4211	89													3
109	1565	90				325									
22	OWW800390		YMH/HYS/3/EG/178383//2*YMH,F1/4/YMH/HYS							SW	ID# =		851141 OR8501141H		
4	5272	89	30.	100					50MS	1					
5	2272	41	73.2			313		1R						*	
6						295									
7						330			20MR						
9							15R	10R	99S						
12															1
19	1999	39		95				80S	80S						
22			12.	78		121									
23			23.9	78		133	2MR	2MR				55	75		
26				85		140				2	0				
27				82			10MS				8		95		
51	2655	122	28.8	85		145		1R		1	3		100		
55				80		180									1
59							1R			2	3			*	
60	294	90	39.	92		198							75		
61	466	14		65		125									
76				80				60MS			5				
77				95		125									160
82	1386	65		79		134							100		

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
95	6230	91				146	40S								2
96	4114	81													
97	4605	97													2
109															
23	SWM801092	RSK/NAC								SW	ID# =	850154	OR8500154H		
4	2997	50	34.	105						4					
5	3211	59	73.2			300									
6						284									
7						311									2
9							20R	1R	90S						
12															3
19	4498	89		95					10X						
22			36.2	79		120									
23			30.5	81		131	1R				2	50	75		
26				82		124				3	2				
27				98		111	25MS				9		80		
51	2515	115	36.6	85		138		5R		3	1		90		
55				90		160									1
59						170	25MR								
60	264	81	33.5	80		201							75		
61	2000	63		85		106									
76				90				5R							
77				95		124	30MR								161
82	2114	99		86		115							90		
95	7198	105				129	80S								2
96	4993	99													
97	4492	95													3
109						318									
24	SWM801626	F34.70//BB/GLL/3/CROW S								SW	ID# =	850537	OR8500537P		
4	4828	81	35.	100						2					

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
5	2636	48	77.7			297								*	
6						272									10%
7						316			60S						
9							30R	1R	15R						
12															4
19	5081	100		105					30X						
22			21.6	80		121									
23			31.6	86		133	2MR				3	44	30		
26				92		129				4	2				
27				89		121	10MR				8		60		
51	2110	97	36.6	85		142		1R		3	3		75		
55				90		165									1
59						170	25MR								
60	323	100	41.5	82		201							85		
61	1333	42		78		117									
76				85				1R			7			*	
77				95		125									160
82	1686	79		91		120							80		
95	6098	89				138									3
96	4979	99													
97	4840	102													3
109						324									
25	OWW820351		PDGA/TAL*2//VORO							HR	ID# =		855099 OR8505099P		
4	3441	58	40.	95					50MS	1					
5	2120	39	71.4			312	10S	15MS							
6						293									
7						325			60S						
9							10R	1R	90S						
12															1
19	2748	54		110				50S	80S						
22			30.8	85		121									
23			32.2	86		133	1R	1R			1	73	80	*	

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
26				94		130				2	1				
27				95		120	25MS				9		95		
51	2930	135	36.8	90		140		5R		1	0		100		
55				105		174									1
59						170	10MR			4	4				
60	295	91	40.	45		203							80		
61	1733	54		75		127									
76				95				40MS			3				
77				100		127									162
82	1428	67		99		119							100		
95	3469	51			90	139									4
96	5096	101													
97	4551	96													2
109															
26	OWW820070		II58-57//YMH/2*P101/3/WA6363							SW	ID# =		854584 OR8504584P		
4	3663	62	40.	110						2					
5	2908	53	71.			310		30S							
6						289									
7						330			20MR						
9							15R	30X	80X						
12															2
19	4081	80		120				60S	40S						
22			24.8	85		120									
23			39.7	95		133	2MR				2	49	70		
26				100		131				5	1				
27				106		121	10S				8		95		
51	2755	126	46.4	100		143		1R		1	3		100		
55				110		175	15MS								1
59							15MS								
60	265	81	41.	60		204							70		
61	466	14		80		126									
76				100				20MR			1				

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
77				100		127		20S							
82	2357	110		104		125							70		
95	4589	67			40	139	70S								4
96	4223	84													
97	4686	99													3
109															
27	SWM801492		PCK/TTM S							SW	ID# =		850471 OR8500471H		
4	2331	39	34.	90						2					
5	3635	67	76.4			299		1R							
6						272									
7						313		30MS	10MR						1
9							30MR	10R	10R						
12														*	5
19	4748	94		100					5MR						
22			30.8	76		121									
23												53	0		
26				85		129				2	1				
27				73		118					9		60		
51															
55				90		157									2
59							10MR								
60	295	91	40.	65		201	10S						75		
61	1400	44		65		117									
76				85				1R			9				
77				90		130									164
82	314	14		66		125							50		
95	6210	91				139	20MS								2
96	4867	96													
97	5003	105													3
109						322									

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
28 OWW820067			II58-57//YMH/2*P101/3/CMT							SW	ID# =		854564 OR8504564P		
4	5439	92	42.	110						2					
5	3817	70	76.1			300								*	
6						275									10%
7						316		30MS							1
9							10R	90X	10R						
12															3
19	4081	80		105				50S	10MR						
22			33.2	87		121									
23			37.9	86		133	2MR				2	54	10		
26				103		127				3	1				
27	9995	110	34.8	105		117	10MS				8		60		
51	3075	141	43.4	100		142		5R		1	3		90		
55				100		170									1
59						170	40MS								
60	294	90	37.5	68		200							60		
61	1466	46		78		117									
76				95				1R			5			*	
77				105		128									163
82	1629	76		94		121							100		
95	7793	114				134	50S								1
96	4598	91													
97	4887	103													2
109						329									
29 SWM801071			MLW//JUP/BJY S							HW	ID# =		850138 OR8500138P		
4	5328	90	40.	105						3					
5	5120	94	78.2			300		5MR						*	
6						275									
7						316			10MR						2
9							20R	1R	10R						

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
12															4
19	4997	99		100					5MR						
22			32.4	88		122									
23			33.	85		133	2MR	2MR			1	49	30		
26				103		127				5	5				
27	9979	110	32.6	107		117					3		80		
51	2075	95	43.8	90		141		5R		3	0		90		
55				105		167									1
59						170	15MR			3					
60	352	109	40.5	85		197							60		
61	3666	115		85		111									
76				95				1R							
77				110		130									162
82	3772	177		99		118							90		
95	5883	86				134									3
96	5012	99													
97	4684	99													3
109															
30	SWM801020		BEZ I/KOEL S							HR	ID# =		850046 OR8500046P		
4	4551	77	30.	100						2					
5	2726	50	76.6			299		1R							
6						271									
7						315		30MS	10MR						2
9							5R	20R	20MS						
12															4
19	4164	82		95				90S	30X						
22			15.2	77		122									
23			32.3	75		133	2MR	3S			4	52	10		
26				85		127	5R			4	2				
27				85		117	10MS				9		60		
51	2045	94	27.8	75		144		1R		3	3		85		
55				85		162									1

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
59							5MR			2	4				
60	282	87	41.	50		202							70		
61	1000	31		72		117									
76				85				10MR			5				
77				95		136									162
82	1200	56		86		120							100		
95	6169	90				135	40S								4
96	5453	108													
97	5125	108													3
109	1225	70				322									
31	SWM801193		NAI60/HN7//DOVE S							HW	ID# =		850271 OR8500271P		
4	3552	60	32.	95						4					
5	4605	84	78.2			296	1R	1R						*	
6						268									
7						315			60S						
9							5R	1R	10R						
12															4
19	5331	105		105				50X	30X						
22			22.8	84		123									
23												43	0		
26				96		127				6	1				
27				95		118	40MS				8		60		
51	2010	92	45.	75		144		1R		1	1		20		
55				100		160									2
59						170	40S								
60	458	141	52.	77		203							95	*	
61	2133	67		80		117									
76				80				5R							
77				90		133	30MS								161
82	1614	75		88		118							100		
95	3706	54			60	133									4
96	4701	93													

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
97	5494	116													2
109						321									
32	SWM801234		ANZA/4/WRM/3/JD/JB//GB/5/TRM//KAL/BB							HW	ID# =		850315 OR8500315P		
4	3441	58	32.	90						3					
5	3514	64	80.2			296		5MR						*	
6						266									
7						314			60S						
9							20R	20R	30MR						
12															1
19	5247	103		95				40S	40X						
22			30.	75		122									
23												61	0		
26				91		126	40MS			2	1				
27				87		117	10MS				8		60		
51	2350	108	41.6	95		143		1R		1	3		10		
55				85		150									1
59						170	40S								
60	529	163	48.	60		200							85		
61	1800	56		85		111									
76				80				1R			5				
77				90		134	5MS								161
82	1343	63		79		122							98		
95	4738	69				133	50S								4
96	4611	91													
97	5822	123													3
109						321									
33	SWM801256		BEZ2B/3/CC/INIA//CAL/4/ULC/EMU S							HW	ID# =		850338 OR8500338H		
4	1887	31	37.	75						3					
5	3575	65	77.5			291		5MS							
6						263									

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
7						305		20MR	60S						
9							35MR								
12															5
19	5581	110		90				40S	5S						
22			30.8	70		118									
23												60	0		
26				75		120	20MR			4	2				
27				80		113							60		
51	475	21	39.8	80									5		
55				80		149									1
59						170	10MR			3	3				
60	499	154	41.	62		199	5MS						80		
61	3266	103		72		103									
76				75				1R			3				
77				105		137									159
82	114	5		71		121							95		
95	5971	87				127									3
96	4741	94													
97	5350	113													2
109						319									
34	SWM801280		APF S/BOW S							HW	ID# =		850377 OR8500377P		
4	4551	77	36.	105						5					
5	3575	65	77.3			304		1R						*	
6				80		278		10MR	1R						
7						316		50S							
9							30R	10R	20R						
12															4
19	7663	151		120				50S	10MS						
22			17.4	82		120									
23												50	0		
26				94		130				6	2				
27	7080	78	29.4	87		121							60		

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
51	800	36	35.4	80		149		1R		3	1		5		
55				85		173									2
59						170	20MR								
60	471	145	40.	70		195							80		
61	733	23		88		125									
76				90				10MR							
77				100		136									164
82	1800	84		97		126							98		
95	4311	63				142									3
96	4282	85													
97	4578	96													2
109						328									
35	SWM801280	APF S/BOW S								HW	ID# =		850382 OR8500382H		
4	3552	60	36.	100						3					
5	2423	44	76.8			302									
6						293									
7						330		50S							
9							10R	60X	70X						
12															1
19	3248	64		95					20M						
22			23.6	82		121									
23												53	0		
26				90		127	5R			4	2				
27	7047	77	21.8	94		118					9		60		
51	2765	127	37.	85		141		1R		1	3		70		
55				95		168									2
59						170	10MR			3	5				
60	517	160	51.	80		204							95	*	
61	2133	67		85		109									
76				80				40MS			9				
77				105		134									162
82	3372	158		99		118							100		

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
95	6075	89				130	40S								3
96	5099	101													
97	4330	91													3
109						329									
36	SWM801320		AMD S/HN4//PCIS/3/CROW S							HW	ID# =		850399 OR8500399P		
4	3274	55	40.	105						4					
5	3757	69	80.8			296								*	
6						264									20%
7						314		50S							1
9							20R	1R	70X						
12															6
19	6830	135		130				60X	1R						
22			26.6	86		121									
23												47	0		
26				104		126				7	3				
27	9162	101	38.	107		114					9		60		
51	1290	59	47.8	90		144		1R		1	0		10		
55				110		157									1
59						170	20MR			4					
60	529	163	48.5	68		203							85	*	
61	2000	63		95		111									
76				90				5R			5				
77				95		134									161
82	843	39		102		118							85		
95	5725	84				138									2
96	3907	77													
97	3661	77													4
109	1165	67				320									
37	SWM801393		SDY/BUC S							HW	ID# =		850423 OR8500423P		
4	3607	61	30.	100				5R		2					

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
5	1514	27	75.			299		80S							
6						276									20%
7						314		90S							
9							20R	15R	80S						
12															2
19	5081	100		100				60S	20MR						
22			19.2	75		120									
23												76	0		
26				92		126				7	2				
27				90		114	25MS				9		60		
51	2295	105	34.4	85		141		1R		1	3		30		
55				95		157									1
59						170	15MR			3	5				
60	353	109	36.5	60		198							70		
61	1666	52		88		117									
76				90				1R			5				
77				95		137									162
82	1686	79		88		116							90		
95	7784	114				133									3
96	6227	124													
97	4379	92													3
109						318									
38	SWM801393		SDY/BUC S								HW	ID# =	850424 OR8500424P		
4	4329	73	28.	95			5MS	15MS	5MS	2					
5	1757	32	74.1			300		80S							
6						276									30%
7						314		90S							
9							25R	10R	80S						
12															3
19	6830	135		100				50S	10MR						
22			23.	77		118									
23												62	0		

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
26				95		126				7	7				
27				90		114	40MS				9		60		
51	1920	88	36.4	85		140		1R		3	3		25		
55				95		157									1
59						170	5MR			2	5				
60	352	109	37.	60		205							65		
61	1800	56		85		117									
76				90				1R			9				
77				105		133									162
82	1743	81		91		118							95		
95	8649	127				134									2
96	5586	111													
97	4565	96													3
109	1831	105				318									
39	SWM801489		PIN39/PEW S							HW	ID# =		850448 OR8500448P		
4	444	7	26.	90						3					
5	2120	39	72.1			298		10MR							
6						275									20%
7						312		50S	70S						
9							25R	1R	80S						
12															3
19	5081	100		95					20X						
22			32.2	76		120									
23			33.8	89		133	2MR				2	46	30		
26				90		125				2	3				
27				84		117	10MS				9		60		
51	1825	84	33.4	80		141		1R		3	1		50		
55				85		156									1
59							10MR			2	3				
60	282	87	50.	70		200							80	*	
61	1800	56		80		111									
76				85				1R			9				

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
77				90		136	20MR								161
82	928	43		76		120							100		
95	6433	94				133	20MS								2
96	5248	104													
97	4878	103													2
109	1185	68				318									
41	SWM801489		PIN39/PEW S								HW ID# =		850451 OR8500451P		
4	2608	44	30.	85					20MS	4					
5	2363	43	72.1			299		10MS							
6						275									
7						315			70S						1
9							10R	1R	50S						
12															3
19	5331	105		95					10M						
22			25.8	76		122									
23			29.5	75		133	2MR				2	51	5		
26				85		127				2	4				
27				71		117	5MR				9		60		
51	1000	46	30.2	70		144		1R		3	0		55		
55				80		164									2
59							1R			2	3				
60	305	94	40.	90		201							60		
61	2133	67		78		111									
76				85				1R			9				
77				100		136									166
82	1000	46		81		120							100		
95	6399	94				134									1
96	5659	112													
97	3624	76													2
109	1218	70				321									

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
42 SWM801489 PIN39/PEW S										HW ID# = 850453 OR8500453P					
4	2775	46	32.	85						5					
5	3938	72	73.9			299		20MS							
6						275									
7						312			70S						
9							20R	1R	80S						
12															3
19	5664	112		95					30X						
22			38.6	82		121									
23			34.1	76		133						63	5		
26				86		125				2	6				
27				80		115	5MR				9		60		
51	2175	100	34.8	65		141		1R		3	0		50		
55				80		154									2
59						170	1R			2	3				
60	235	72	31.5	88		201							65		
61	3666	115		72		109									
76				75				1R			9				
77				85		134									162
82	971	45		81		120							90		
95	8188	120				133									2
96	5288	105													
97	4492	95													3
109						321									
43 SWM801489 PIN39/PEW S										HW ID# = 850454 OR8500454P					
4	2442	41	33.	80						4					
5	3696	68	73.9			299		15MS							
6						275									
7						312			70S						
9							10R	1R	90S						

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
12															3
19	5414	107		90					30X						
22			28.5	71		121									
23			26.1	71		133	4S				1	64	10		
26				83		125				2	5				
27				78		116	1MS				9		60		
51	1725	79	32.2	60		141		1R		3	1		45		
55				75		154									1
59						170	1R			2	3				
60	236	73	30.	62		203	5MS						75		
61	3000	94		78		103									
76				70				1R			5				
77				85		137									163
82	1643	77		84		118							80		
95	7229	106				134									2
96	5305	105													
97	4432	93													2
109	1365	78				321									
44	SWM801129		F3.71/PEEP S							HR	ID# =		850175 OR8500175H		
4	3663	62	32.	85						4					
5	2666	49	79.9			299		15MS							
6						284									
7						317									1
9							20R	10R	10R						
12															2
19	4664	92		100					10M						
22			15.7	73		118									
23			22.3	68		132	3S				3	52	30		
26				87		130				4	2				
27				84		117					8		80		
51	2880	132	32.2	75		144		1R		3	3		70		
55				80		170									1

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
59						170	1R			2	4				
60	353	109	41.	70		199	5MR						65		
61	1466	46		70		117									
76				85				60MS			3				
77				85		134									163
82	1886	88		79		126							75		
95	8206	120				139									3
96	5399	107													
97	4781	101													2
109						329									
45	SWM801609		PCHU/4/KT54A/N10B//KT54B/3/NAR59*2/5/HN4/6/HIM/COC//NAC HW									ID# =	850503 OR8500503H		
4	4218	71	37.	95						2					
5	5211	96	79.5			295		40S							
6						276									
7						316			70S						
9							30R	70S	90S						
12															2
19	8996	178		100					30X						
22			24.4	77		121									
23											3	63	0		
26				92		125				3	6				
27				79		116							60		
51	615	28	37.	65				1R		1	3		5		
55				95		156									1
59						170	25MS								
60	206	64	41.	65		207							60		
61	2466	77		80		103									
76				95											
77				85		134		1R							162
82	885	41		79		121							95		
95	7736	113				133									4
96	5652	112													

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
97	4042	85													2
109						321									
46	SWM801625		RBS/ANZA/3/KVZ/HYS//YMH/TOB/4/BOW S							HW	ID# =		850513 OR8500513H		
4	5272	89	36.	90						2					
5	3151	58	78.2			302		5MR						*	
6						278									
7						321		10MR							2
9							5R	1R	10R						
12															1
19	6830	135		85				40S	5MS						
22			19.8	70		121									
23			25.1	71		133	2MR	2MR			4	41	5		
26				80		131				3	2				
27				78		121							80		
51	3905	179	30.	75		143		5R		3	3		90		
55				80		167									1
59						170	15MS			5	4				
60	265	81	40.	58		200							70		
61	2133	67		75		117									
76				75				40MS			9				
77				105		130									164
82	2415	113		81		122							100		
95	7544	111				138									2
96	6327	126													
97	4489	94													3
109						330									
47	SWM801625		RBS/ANZA/3/KVZ/HYS//YMH/TOB/4/BOW S							HW	ID# =		850514 OR8500514H		
4	4495	76	35.	85						2					
5	3817	70	78.2			296									
6						272									

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
7						314		50S							
9							5R		10R						3
12															
19	5664	112		90				1R	1R						3
22			25.	75		123									
23			31.	72		133					2	61	5		
26				80		128				3	2				
27				83		116							60		
51	1970	90	31.8	75		143		1R		3	3		35		
55				85		156									1
59						170	15MR			3	2				
60	294	91	32.5	45		194							80		
61	2800	88		90		109									
76				75				1R			9				
77				100		130									162
82	2172	102		84		119							100		
95	5288	77				134									3
96	6471	128													
97	4512	95													2
109						321									
48	SWM801625		RBS/ANZA/3/KVZ/HYS//YMH/TOB/4/BOW S							HW	ID# =		850519 OR8500519P		
4	4606	78	38.	95						2					
5	3696	68	80.2			299		1R						*	
6						272									
7						318		30MS							2
9							5R		10R						
12															4
19	8413	166		100				1R	1R						
22			17.8	74		121									
23											2	56	0		
26				86		130				1	1				
27	6030	66	31.6	85		116							60		

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
51	1195	55	42.	75		144		1R		1	0		10		
55				95		160									1
59						170	10MR			1	3				
60	294	90	40.	68		205	20S						90		
61	1400	44		85		117									
76				90				1R			7				
77				100		134									162
82	1328	62		79		119							100		
95	8371	123				134									2
96	5513	109													
97	5027	106													3
109						327									
49	SWM801625		RBS/ANZA/3/KVZ/HYS//YMH/TOB/4/BOW S							HW	ID# =		850521 OR8500521P		
4	4773	80	36.	100						2					
5	4847	89	80.4			299		1R						*	
6						274									10%
7						316		50MS							2
9							10R		10R						
12															4
19	6997	138		100					1R						
22			17.6	77		122									
23			22.6	72		133	2MR					57	5		
26				92		130				1	1				
27	7413	81	24.4	90		119					5		60		
51	2240	103	33.2	80		144		5R		1	0		25		
55				95		164									1
59						170	10MR			1	3				
60	323	100	41.	70		201							85		
61	1866	58		77		117									
76				85				1R			5				
77				110		130									162
82	1643	77		84		119							100		

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
95	7887	116				134									3
96	5805	115													
97	4701	99													3
109						323									
50	SWM801626		F34.70//BB/GLL/3/CROW S							HW	ID# =		850536 OR8500536P		
4	4606	78	32.	95						3					
5	6423	118	78.8			299		10MS						*	
6						274									
7						316			60S						
9							40MR		10R						
12															1
19	5497	108		105					30S						
22			16.6	76		121									
23			28.9	86		133	2MR					52	5		
26				90		129				4	2				
27				92		121	10MS				8		60		
51	2535	116	34.	80		144		1R		3	3		85		
55				90		164									1
59						170	10MR			4					
60	295	91	44.5	75		200							80		
61	1666	52		60		117									
76				85				1R			5				
77				110		130	30MS	1R							163
82	1771	83		91		119							100		
95	5608	82			20	134									3
96	5239	104													
97	3798	80													4
109						327									
51	SWM801628		F34.70//BB/GLL/3/YHT2							HW	ID# =		850542 OR8500542H		
4	2442	41	33.	80				5MS		2					

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
5	4908	90	72.3			311	10MS	5S							
6						283									
7						321		50S							
9							20R	60MS	70S						
12															1
19	5830	115		95				90S	30X						
22			25.	73		121									
23			30.9	65		133						53	30		
26				67		131				0	3				
27				78		121	80S				9		60		
51	1610	74	34.	75		146		1R		1	7		80		
55				80		170	30MS								1
59						170	30MS								
60	352	109	40.	60		200							70		
61	1333	42		80		126									
76				70				99S			9				
77				110		130	40S	99S							164
82	2715	127		84		121							100		
95	5978	87				139									2
96	5659	112													
97	4829	102													2
109						329									
52	SWM801816		SPN/CROW							HW	ID# =		850584 OR8500584P		
4	3829	64	38.	85						2					
5	4544	83	75.7			300		15S							
6						289									
7						330		50S							
9							30R	80S	60S						
12															1
19	3831	75		90				60S	40X						
22			28.	80		121									
23			32.8	77		131	2MR					52	40		

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
26				80		125				4	1				
27				90		117	80S				9		60		
51	3175	146	37.4	80		140		1R		3	3		80		
55				90		167									1
59						170	60S								
60	530	163	42.	62		204							88		
61	1800	56		78		109									
76				75				20MR						*	
77				115		131									163
82	2486	116		81		115							100		
95	6862	100			20	129									3
96	5155	102													
97	3566	75													4
109															
53	SWM801555		SHS/CI12703//SSN27/3/BUC S							HR	ID# =		850493 OR8500493P		
4	3052	51	32.	85						3					
5	5090	93	77.9			300		1R						*	
6						293									
7						330		20MR							1
9							15R	1R	60S						
12															2
19	6247	123		95				50S	40X						
22			19.8	78		120									
23			35.1	85		132	1R					50	30		
26				80		126				1	5				
27				86		120	5MR				8		60		
51	1655	76	42.6	70		144		1R		1	3		45		
55				85		178									1
59						170	5R			3	5				
60	364	112	41.	70		201							60		
61	2133	67		75		113									
76				80				10MR			9				

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
77				100		129		10MR							163
82	2443	114		81		119							100		
95	7081	104				134									2
96	4940	98													
97	4359	92													3
109						328									
54	SWM801555		SHS/CI12703//SSN27/3/BUC S							HR	ID# =		850494 OR8500494P		
4	4218	71	34.	85						6					
5	4484	82	78.6			300		10MR						*	
6						278									20%
7						316			20MS					*	2
9							15R	20R	70S						
12															2
19	5830	115		95				50S	40X						
22			26.	78		123									
23			32.	88		132					2	58	80	*	
26				82		125				1	4				
27				90		117					8		80		
51	3990	183	36.2	80		141		1R		3	5		95		
55				80		165									1
59						170	5MR			3	5				
60	411	127	42.	85		198							68		
61	2133	67		70		113									
76				85				40MS			9				
77				85		134		1R							163
82	2900	136		81		116							100		
95	6250	91				133									3
96	4847	96													
97	3216	68													3
109															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
55 SWM801609 PCHU/4/KT54A/N10B//KT54B/3/NAR59*2/5/HN4/6/HIM/COC//NAC HR ID# = 850496 OR8500496P															
4	5161	87	33.	85						2					
5	4302	79	74.6			304									
6				70		274		15MS	1R	3					
7						322			30MS						
9							5R	40X	90S						
12															1
19	6663	132		95					10MR						
22			14.4	73		123									
23			24.9	85		133	2MR				1	48	40		
26				85		131				4	3				
27				84			10MR				8		80		
51	1915	88	26.6	80		145		5R		3	1		85		
55				85		173									1
59						170	10MR			2	4				
60	500	154	38.5	80		196							80		
61	1800	56		72		128									
76				75				10MR							
77				75		126									164
82	2500	117		81		121							100		
95	7546	111				139	50S								1
96	5543	110													
97	5009	105													2
109	979	56				329									
56 SWM801611 CTFN/JT//BUC S HR ID# = 850509 OR8500509P															
4	4495	76	36.	95						4					
5	4787	88	77.7			296								*	
6						274									
7						319									2
9							5R	1R	40MR						

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
12															3
19	5664	112		100					5MS						
22			21.	72		121									
23				77		133	3S	1R				49	5		
26				85		129				6	3				
27				90		118							80		
51	2420	111	32.2	75		145		1R		3	0		80		
55				85		171									1
59							1R			3	3				
60	470	145	41.5	70		205							70		
61	2333	73		72		126									
76				80				1R							
77				75		126									167
82	1171	55		84		122							100		
95	7499	110				138									2
96	5293	105													
97	4824	102													2
109	985	56				328									
57	OWW820053		ANZA//AU/C0652337							SW	ID# =		854528 OR8504528P		
4	4662	78	40.	100						4					
5	3332	61	74.1			303									
6						283									
7						324		80S							
9							10R	70S	25R						
12															4
19	8080	160		110				40X	20X						
22			24.	77		121									
23			38.9	77		133	1R	1R				52	5		
26				92		130				2	3				
27	6913	76	30.2	97		120	10MS				5		60		
51	2620	120	41.4	90		144		1R		1	0		75		
55				90		174									1

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
59							1R	10MR		1	2				
60	411	127	43.5	65		201							70		
61	4066	128		95		109									
76				85				20MR							
77				75		132									167
82	2272	106		94		122							100		
95	6903	101				139									1
96	4045	80													
97	4084	86													2
109															
58	SWM801092		RSK/NAC							SW	ID# =		850153 OR8500153H		
4	2664	45	33.	95						4					
5	4423	81	75.			298									
6						282									
7						319			10MR						*2
9							10R	10R	70X						
12															2
19	4997	99		100					10MS						
22			30.4	84		118									
23			36.7	84		130	3S	2MR			1	71	80	*	
26				84		125				2	3				
27	8246	91	31.4	103		112					8		80		
51	2580	118	35.8	95		139		5R		3	1		90		
55				95		163									1
59						170	10MR			2					
60	412	127	39.5	58		204							65		
61	2800	88		80		109									
76				90				40MS			7				
77				115		128									159
82	1743	81		86		115							100		
95	6853	100				128									1
96	5296	105													

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
97	4174	88													3
109						320									
59	SWM801420	AFG3/PEW S								SW	ID# =	850434	OR8500434P		
4	4162	70	38.	100						2					
5	3878	71	74.8			299		20S							
6						279									
7						316		70S	50S						
9							25R	5R	70S						
12															1
19	6247	123		105				40X	60X						
22			33.2	80		122									
23			41.3	92		133	1R				4	59	40		
26				90		126				2	2				
27				100		119	10MS				8		80		
51	2405	110	41.2	85		141		1R		1	3		75		
55				95		166									2
59						170	25MS								
60	294	91	34.5	48		200	5S						55		
61	2066	65		85		109									
76				95				1R			7				
77				110		131									160
82	1771	83		88		118							100		
95	3988	58			60	134									
96	5528	110													
97	4454	94													3
109															
61	SWM801797	GHL121/MN72131								HR	ID# =	850572	OR8500572P		
4	4440	75	40.	115					10MS	2					
5	4241	78	74.1			299		10MR						*	
6				90		282		10M	1R	2					

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
7						323		50S	10MR						1
9							70S		80S						
12															3
19	5997	118		135				60S	40S						
22			25.2	89											
23			40.9	94		133	2MR				1	60	30		
26				100		127	40MS			3	1				
27				109		117	10MS				8		95		
51	2855	131	41.6	100		142		1R		1	5		75		
55				115		167									1
59						170	30MS								
60	282	87	34.	70		207							55		
61	2133	67		92		126									
76				40				1R			5				
77				85		134	60S								163
82	1200	56		86		127							100		
95	3991	58			80	134	60S								3
96	4809	95													
97	5331	112													3
109															
62	SW0802051		PLK70/MAYA74,F1/5/AU//MINN/HK/3/38MA/4/YMH/ERA							HW	ID# =		850795 OR8500795P		
4	3108	52	38.	85					20MS	1					
5	3151	58	76.8			302									
6						290									
7						330			50S						
9							15R	10M	70X						
12															1
19	3082	61		95					40S						
22			19.	73		121									
23			27.8	82		133	1R				2	66	30		
26				80		129				5	1				
27				85							7		60		

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
51	1565	72	27.2	75		144		1R		3	3		95		
55				80		176									1
59						170	20MS								
60	294	90	40.	65		200							60		
61	2533	80		80		129									
76				90				5R			9				
77				80		134									162
82	1143	53		74		126							100		
95	6528	96				134									4
96	5765	114													
97	5147	108													2
109															
63	SWM801692		TJB916-46/NKT							SW	ID# =		850551 OR8500551H		
4	4440	75	40.	105						1					
5	5514	101	76.8			299								*	
6						268									
7						316			50S						
9							25R	5R	80S						
12														*	5
19	10745	212		130				40X	20X						
22			30.8	90		121									
23						133						54	5		
26				97		127				4	2				
27	7563	83	30.8	106		117	25MS				5		60		
51			33.8	80		146		1R		3	3		5		
55				105		163									1
59							1R			3	4				
60	294	91	31.5	72		203							65		
61	3000	94		95		111									
76				110				60MS			5				
77				90		130									161
82	1171	55		88		122							75		

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
95	4823	70			60	134									3
96	3922	78													
97	4045	85													2
109						323									
64	SW0802206		SWM790756,F1/5/AU//MINN/HK/3/38MA/4/YMH/ERA							HW	ID# =		850864 OR8500864P		
4	3052	51	28.	90						4					
5	3635	67	77.7			303		15MS							
6						273									
7						316		30MS							2
9							5R	80X	10R						
12															4
19	5914	117		100					10MR						
22			20.4	80		123									
23			27.1	78		133	2MR				3	65	5		
26				82		129				5	1				
27	3648	40	26.	94		117	10S						95		
51	2780	128	31.8	75		144		5R		1	0		30		
55				90		162									1
59						170	10MR			5					
60	341	105	45.2	80		205							40		
61	2466	77		70		117									
76				90				1R							
77				90		130									167
82	543	25		74		126							70		
95	5817	85				134									4
96	4824	96													
97	5620	118													1
109						323									
65	SWM801278		AN//SN64/SS2/3/CHRC S							SW	ID# =		850372 OR8500372P		
4	2275	38	32.	105						2					

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
5	4787	88	79.5			299								*	
6				80		269		20MS	1R	2					
7						316									2
9							25R		10R						
12															5
19	6663	132		115				1R	5MR						
22			31.8	90		122									
23												63	0		
26				100		127				2	4				
27	7663	84	35.	106		118	10MS						60		
51															
55				105		162									1
59						170	25MS			4					
60	282	87	55.	85		196							80		
61	3333	105		90		103									
76				110				1R			5				
77				85		125									167
82	1157	54		88		122							100		
95	5479	80				133	40S								2
96	4305	85													
97	4857	102													3
109						323									
66	SWM802008		55-1744/7C//SU/RDL/3/CROW							HR	ID# =		850683 OR8500683P		
4	1665	28	35.	95						1					
5	3332	61	75.9			296									
6				80		281		5MR	1R	2					
7						322								*	1
9							5R		10R						
12															2
19	6580	130		105					1R						
22			20.2	82		121									
23			30.8	81		133	2MR				2	47	30		

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
26				81		127				5	2				
27	5930	65	28.4	97		119					5		95		
51	2305	106	36.4	85		144		1R		3	0		75		
55				85		172									2
59						170	10MR			3	3				
60	294	90	40.	65		196							70		
61	2466	77		82		111									
76				80				1R			9				
77				95		131	60S								166
82	1571	73		79		120							100		
95	5393	79				134									3
96	4560	90													
97	5270	111													2
109						328									
67	SW0810169		VPM/MOS83-11-4-8//ALD,F1/5/AU/3/MINN//HK/38MA/4/YMH/ERA SR					ID# =		851771 OR8501771H					
4	4495	76	36.	90						1					
5	3332	61	74.1			313		5MS						*	
6						295									
7						330		50S							
9							5R	1R	5R						
12															1
19	6913	136		105				30S	10MR						
22			21.	82		121									
23			25.6	82		133	3S				1	63	80		
26				85		131	20MR			5	2				
27				85									95		
51	1990	91	27.6	85		144		1R		3	5		90		
55				85		178									1
59							40S			4	4				
60	294	91	39.5	62		204							85		
61	3333	105		75		126									
76				90				1R			9				

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
77				105		130									164
82	1228	57		79		126							100		
95	5656	83				140									1
96	5013	99													
97	5221	110													2
109															
68	SWM801048		ODK 51/PEW S							HR	ID# =		850115 OR8500115P		
4	4717	79	40.	95						3					
5	3635	67	79.1			303		5MS						*	
6						284									
7						322			10MR					*	1
9							20R	1R	30MR						
12															2
19	6080	120		110					20M						
22			27.6	87		120									
23			33.8	86		133	2MR				2	50	80	*	
26				90		129				3	1				
27				97		121	10MS				8		80		
51	1950	89	36.4	90		144		5R		1	3		90		
55				90		175									2
59						170	30MS				4				
60	265	82	41.	72		203							88		
61	1733	54		82		128									
76				90				1R			5				
77				95		134									162
82	957	44		84		126							50		
95	2234	32			50	135									4
96	4605	91													
97	4273	90													3
109															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
69 SWM801074		PLK 70/4/CNO/NO//CC/INIA/3/KAL/BB								HR	ID# =		850144 OR8500144P		
4	3774	63	42.	115						3					
5	4605	84	77.3			299								*	
6						269									
7						313		50S							2
9							30R	1R	60X						
12															6
19	7080	140		105					5MR						
22			23.6	84		120									
23						133						44	5		
26				95		126				3	2				
27	6397	70	38.6	111		117	60X				5		80		
51	715	32	32.6	95		143		1R		3	1		10		
55				90		156									1
59						170	5MR			2	3				
60	352	109	41.	75		207							70		
61	2000	63		85		117									
76				105				60MS			5				
77				110		125									162
82	957	44		81		120							100		
95	5258	77				133									3
96	4465	88													
97	5318	112													3
109	1298	75				321									
70 SWM812641		ASP//CAR422/ANA								SR	ID# =		852164 OR8502164H		
4	3441	58	31.	90						3					
5	2787	51	72.5			304		10MS							
6						279									
7						322			50S						
9							10R	70X	70S						

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
12															3
19	3915	77		90					70S						
22			17.	75		123									
23			23.1	70		133					2	55	10		
26				81		129				3	3				
27				83							9		80		
51	1015	46	27.2	70		148		1R		1	3		20		
55				80		176									1
59							5MR			3	3				
60	441	136	34.8	80		207	20S						62		
61	1466	46		65		129									
76				85				60MS			5				
77				110		134	20MR	10MS							160
82	1128	53		69		126							95		
95	6851	100				138	30S								1
96	5216	103													
97	4311	91													2
109	1598	92				330									
71	SWM812695		PMF/MAYA//YACO							SR	ID# =		852355 OR8502355H		
4	5106	86	36.	100						3					
5	4726	87	75.9			296								*	
6						264									
7						311									
9							30R	15R	10R						
12															3
19	8413	166		105				40S	30MS						
22			23.2	85		122									
23				73		133						50	5		
26				95		125				7	3				
27				90		118					9		80		
51			40.6	100		145		1R		1	3		5		
55				85		159									1

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
59						170	5MR			3	5				
60	235	72	32.	77		200							50		
61	4666	147		80		106									
76				90				1R			9				
77				100		134									162
82	1071	50		74		126							95		
95	8139	119				133	20S								2
96	4838	96													
97	4618	97													1
109	1898	109				321									
72	SW0802072		RMNF3-71/4/F1OR158/FDL//MFN/TIB*2/3/COC,F1/4/R37/GHL121 HR								ID# =		850803 OR8500803P		
4	4551	77	34.	100						4					
5	2969	54	74.6			303		10MR							
6						274									
7						315									
9							20R	20X	15R						
12															3
19	5164	102		100				50S	10MS						
22			24.4	73		123									
23			33.8	73		133					3	56	30		
26				83		129				2	2				
27				94		120					5		80		
51	1080	49	34.8	80		144		1R		1	1		20		
55				85		163									1
59							5MR			2	3				
60	235	72	40.	66		198							45		
61	1333	42		80		127									
76				85				1R			7				
77				90		126									163
82	728	34		74		127							100		
95	7023	103				134									3
96	4817	95													

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
97	4177	88													3
109	1252	72				323									
73	OWW820067		II58-57//YMH/2*P101/3/CMT							HW	ID# =		854562 OR8504562P		
4	5106	86	40.	105						3					
5	3090	56	74.3			303								*	
6						276									
7						322		50S							
9							20R	5R	40S						
12															1
19	6080	120		105				40S	30MS						
22			27.4	82		123									
23			36.4	79		133	2MR				1	64	40		
26				95		129				7	3				
27				100	40		25MS				8		80		
51	1105	50	35.4	90		143		1R		1	1		50		
55				100		172									1
59						170	30S								
60	270	83	41.5	74		196	10S						55		
61	2733	86		90		117									
76				90				60MS			5				
77				85		130									163
82	428	20		71		126							100		
95	6495	95				139									3
96	5053	100													
97	4139	87													2
109															
74	OWW820094		PKG16/LOV13//JSW3/3/CMT							HW	ID# =		854634 OR8504634P		
4	5883	99	40.	115						3					
5	4393	81	76.4			302		1R						*	
6						284									

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
7						322		10MR							1
9							10R	10R	10R						
12															2
19	6164	122		110				40S	10X						
22			31.	89		123									
23			39.2	87		131		1R			3	64	70	*	
26				104		127				2	1				
27				107		119	80S				9		95		
51	2105	97	40.6	100		139		1R		1	0		90		
55				90		164									1
59						170	15MS								
60	294	90	37.5	60		204							60		
61	2666	84		92		109									
76				105				40MS			3				
77				100		134		40S							162
82	1886	88		81		115							100		
95	3451	50			90	134									4
96	4921	98													
97	4225	89													3
109						327									
75	OWW820128		PIN39-DWX3/ALCEDO							HW	ID# =		854714 OR8504714P		
4	2664	45	30.	90						2					
5	2181	40	67.8			302		10MS							
6						279									
7						323		50S							1
9							20R	10R	20MR						
12															0
19	4248	84		95				50S	50S						
22			22.8	75											
23			29.6	87		133	2MR				1	67	80		
26				85		127				5	2				
27				86		119	25MS				6		95		

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
51	1190	54	28.6	85		141		5R		5	0		95		
55				90		173									1
59						170	25MS								
60	435	134	40.	60		199							85		
61	1333	42		65		122									
76				85				60MS			3				
77				85		129									163
82	1786	83		81		121							100		
95	5588	82				134	30S								2
96	5734	114													
97	5167	109													2
109															
76	OWW820336		S148/PCHS//SPN							HW	ID# =		855055 OR8505055P		
4	6105	103	46.	95						1					
5	4241	78	74.1			302		10S							
6						284									
7						322		50S	50S						
9							10R	60S	20MR						
12															2
19	4498	89		100				50S	70S						
22			38.8	83		123									
23				89		133						62	70		
26				94		127				4	2				
27	8813	97	36.2	109		118					5		95		
51	1695	78	39.	95		141		5R		3	1		100		
55				100		170									1
59						170	15MR			4					
60	388	119	40.	70		198							85		
61	1666	52		80		117									
76				100				60MS							
77				85		129		1R							
82															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
95	8421	123				133									4
96	5231	104													
97	4465	94													3
109															
77 OWW820527		HILL/CMT								HW	ID# =		855551 OR8505551P		
4	4329	73	36.	95						1					
5	2726	50	71.4			309									
6						288									
7						330			50S						
9							5R	10R	20R						
12															0
19	4081	80		95				50S	50MS						
22			21.2	73		123									
23			35.	85		133	2MR	1R			4	67	70		
26				85		131				2	1				
27				84			80S				9		95		
51	955	44	33.2	95		144		5R		1	1		100		
55				90		177									1
59							10MR			2	3				
60	565	174	42.	65		201							85		
61	1000	31		70		128									
76				95				1R			3				
77				90		130									163
82	2129	100		81		129							100		
95	6262	92				139									3
96	5022	100													
97	3633	76													2
109															
78 SWM801018		VPM/MOS83.11.4.8//BUC S								SR	ID# =		850026 OR8500026P		
4	2830	47	38.	115						3					

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
5	3211	59	79.			309		15MS						*	
6						296									
7						326		20MR							
9							10R	1R	1R						
12															3
19	4997	99		120				60X	5S						
22			30.6	89		123									
23			39.7	98		133	3S				3	66	40		
26				110		129				3	1				
27	7480	82	30.	118	10	121	5MS				7		80		
51	1230	56	30.2	95	80	144		5R		1	3		85		
55				115		177									1
59						170	15MS								
60	482	149	44.	72		196							80		
61	1866	58		88		130									
76				105				40MS							
77				90		136	20MS								166
82	2243	105		99		126							100		
95	2971	43			80	139									4
96	4660	92													
97	4915	104													3
109															
79	SWM801138		F15.69/MN72135							SR	ID# =		850218 OR8500218P		
4	4440	75	42.	110						2					
5	5029	92	75.2			299								*	
6						264									
7						313			10MR					*	
9							30MR	1R	10R						
12															4
19	7247	143		125					10S						
22			34.6	83		121									
23												68	0		

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
26				103		125				7	2				
27				100		114	5MS				5		60		
51								10R		3	3				
55				105		160									2
59						170	25MS			5					
60	424	131	32.	58		200							85		
61	2000	63		90		117									
76				100				1R			3				
77				85		129									161
82	1757	82		97		121							85		
95	4034	59				130	70S								3
96	5493	109													
97	5932	125													3
109						319									
81	SWM801144		F56.72/4/GLL/YR RESL B/3/AU//KAL/BB							SR	ID# =		850226 OR8500226P		
4	5661	95	40.	115						3					
5	4484	82	77.			299		1R						*	
6						266									
7						319			50S						
9							20R	1R	80X						
12															3
19	6663	132		115					30MS						
22			29.8	87		123									
23			34.2	85		132	2MR				2	68	80		
26	4800	109	40.5	101		126				2	3			*	
27				110		117	5M				5		95		
51	2075	95	34.8	110		141		15R		1	1		85		
55				95		168									1
59						170	25S			5					
60	472	146	44.5	70		203							60		
61	2000	63		85		117									
76				95				1R			5				

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
77				90		134	10MR								160
82	1100	51		99		119							100		
95	4254	62			30	134									4
96	5287	105													
97	6430	136													2
109	1798	103				322									
82	SWM801237		ASP S/HYS//PEEP S							SR	ID# =		850324 OR8500324P		
4	4162	70	40.	90						3					
5	4120	75	74.6			296		5MR							
6						266									
7						309			50S						1
9							15R	10R	10R						
12															4
19	4331	85		95				40S	40S						
22			36.4	94		118									
23			31.	72		133						78	5		
26				91		122				2	7				
27	5197	57	30.4	87		113	5S				6		60		
51	1085	50	36.4	70		142		5R		1	1		15		
55				85		158									2
59						170	50S								
60	482	149	42.5	75		201							65		
61	1600	50		72		106									
76				85				20MR			5				
77				90		134									160
82	1757	82		79		119							55		
95	6541	96				129	40S								2
96	4861	96													
97	4843	102													2
109	1298	75				320									

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
83 SWM801263		JCAM/EMU S //BOW S								SR	ID# =		850359 OR8500359P		
4	5661	95	40.	100						2					
5	3999	73	77.			298		20MS							
6						266									
7						314			50S						
9							35MR	80S	20MR						
12															2
19	8496	168		115				40S	40S						
22			29.	82		118									
23												63	0		
26	4000	90	36.5	100		124				2	2			*	
27	7913	87	29.6	109		116	5MR				8		60		
51	505	23	37.8	90		145							10		
55				100		162									1
59						170	20MS								
60	412	127	39.5	80		204							55		
61	2133	67		82		109									
76				105				10MR			3			*	
77				95		134									160
82	1343	63		91		119							60		
95	5662	83			30	132	30S								3
96	4495	89													
97	5898	124													2
109	1431	82				321									
84 SWM801492		PCK/TTM S								SR	ID# =		850468 OR8500468H		
4	4440	75	36.	90						2					
5	4363	80	75.5			303								*	
6						278									
7						322			20MR					*	
9							10R	1R	40MS						

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
12															1
19	5747	113		100					40M						
22			24.	80		121									
23			33.5	85		133	1R				1	62	40		
26	5200	118	35.5	83		129				2	1			*	
27				86		121					5		80		
51	1160	53	27.2	85		145		5R		3	0		60		
55				85		174									1
59							1R			1	3				
60	296	91	39.5	85		200							80		
61	1933	61		72		117									
76				90				1R			5			*	
77				75		131									159
82	2100	98		86		125							100		
95	7956	117				139									2
96	5007	99													
97	5762	121													2
109															
85	OWW820260		VG4059-2-16-117-69/ERA//ALCEDO							HR	ID# =		854971 OR8504971P		
4	5439	92	37.	95						1					
5	3454	63	76.1			302									
6						274									
7						320			30MR						2
9							20R	1R	10R						
12															1
19	6164	122		100				30S	20X						
22			18.5	78		122									
23			32.1	82		133	1R				1	51	70		
26				85		127				4	2				
27				94		121	10MS				9		95		
51	1570	72	29.4	85	10	141		20R		3	0		100		
55				85		164									1

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
59						170	15MS								
60	342	105	36.6	45		205							50		
61	2466	77		75		117									
76				80				20MR			3				
77				105		130									162
82	2915	136		88		116							100		
95	7681	113				134	40S								3
96	3678	73													
97	4901	103													3
109						330									
86	SWM801489		PIN39/PEW S							SW	ID# =		850449 OR8500449P		
4	5106	86	40.	90						2					
5	3938	72	73.			302		20S							
6						274									
7						316			50S						
9							10R	5R	90S						
12															2
19	5997	118		95					20X						
22			34.2	80		122									
23			32.4	86		132	2MR				2	61	40		
26				84		127				2	3				
27				87		117							80		
51	965	44	23.6	75		142		5R		3	1		55		
55				85		157									1
59						170	5MR			1	1				
60	282	87	35.	48		205							50		
61	1733	54		66		106									
76				85				1R			9				
77				95		131									161
82	2829	132		94		118							100		
95	5153	75			30	133	40S								3
96	4419	88													

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
97	6318	133													2
109						329									
87	OWW820351	PDGA/TAL*2//VORO								HR	ID# =		855101 OR8505101P		
4	3052	51	34.	100						1					
5	3393	62	71.			304		10MS							
6						284									
7						323			50S						
9							10R	20MR	20MR						
12															1
19	5247	103		115				40S	80S						
22			28.4	71		122									
23			35.2	93		133	2MR				1	61	80		
26	5200	118	39.	93		128				2	1			*	
27	10195	112	28.4	105		120	5S				8		80		
51	1590	73	36.6	95	20	142		5R		1	0		90		
55				105		172									1
59						170	25MS								
60	294	90	40.	50		200							55		
61	2333	73		82		128									
76				100				60MS			5				
77				100		134									160
82	1457	68		99		125							100		
95	4383	64			30	139									4
96	5660	112													
97	5456	115													3
109															
88	OWW820446	HD832/CNO/INIA/3/YH//RBS/P101/4/HN7/RMD//KVZ/5/MAG/CLLF								HR	ID# =		855307 OR8505307P		
4	3441	58	34.	105						2					
5	3393	62	73.4			304									
6						279									

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
7						323			50S						
9							10R	1R	80S						
12															1
19	3998	79		105					70S						
22			16.2	84		122									
23			29.8	89		133	3S				2	51	70		
26				96		131				4	1				
27				102		121					8		95		
51	1185	54	30.	95	30	140		5R		1	3		95		
55				85		164									1
59							5MR			3	1				
60	470	145	34.5	75		198							60		
61	1066	33		85		125									
76				95				40MS			5				
77				95		134		20MS							163
82	2629	123		97		126							100		
95	4108	60			20	140									3
96	5067	100													
97	5042	106													2
109															
89	OWW820053		ANZA//AU/C0652337							SW	ID# =		854531 OR8504531P		
4	3496	59	40.	100						1					
5	3454	63	73.4			304	1R								
6						284									
7						325		50S							1
9							10R	70S	15R						
12															1
19	6997	138		110				50X	40MS						
22			35.2	76		123									
23			40.	85		133					1	61	40		
26				95		129				2	3				
27	5797	64	28.6	97		121	5MR						60		

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
51	1110	51	35.6	85	20	145		5R		1	3		55		
55				95		167									1
59							5MR			2	1				
60	383	118	45.2	70		199							92	*	
61	2000	63		85		127									
76				85				40MS			9				
77				100		129		5R							163
82	2415	113		91		121							100		
95	6290	92			40	139									2
96	4028	80													
97	5273	111													1
109															
90	SW0802108		NS14-69//MAYA74/MON,F1/3/BEZO/ERA// LOH1/DIRK							SR	ID# =		850826 OR8500826P		
4	4995	84	38.	125						2					
5	3514	64	82.2			302		1R						*	
6				90	50	285		5MR		2					
7						324			10R						
9							15R	1R	40X						
12															1
19	5247	103		125					1R						
22			30.4	96		121									
23			39.1	108		132	1R				1	62	80	*	
26	5600	127	36.5	115		126				6	3			*	
27				117		119					9		80		
51	1060	48	38.	100	90	141		5R		3	1		95		
55				120		168									1
59						170	10MR			3	1				
60	353	109	35.	60		207							75		
61	2000	63		100		113									
76				105				1R			3				
77				110		130									162
82	2400	112		109		116							100		

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
95	4268	62				134	40MS								4
96	4208	83													
97	5462	115													3
109															
91	SWM801034		VORO/BUC S							HR	ID# =		850072 OR8500072P		
4	999	16	38.	105						2					
5	3090	56	75.9			295									
6						284									
7						309									2
9							15R	10R	10R						
12															3
19	8163	161		115					10M						
22			33.8	82		118									
23			38.7	85		132	2MR				2	56	40		
26	4800	109	39.5	100		125	20MR			3	4			*	
27				100		117					8		60		
51	550	25	32.6	90	30	143		5R		3	0		35		
55				95		160									1
59						170	25MS								
60	441	136	40.	82		208							70		
61	1333	42		88		109									
76				80				20MR			5				
77				110		134									161
82	1871	87		94		116							95		
95	5434	79				133	80S								2
96	5127	102													
97	3597	76													3
109						321									
92	OWW820160		2109-36/5/OFNDW/LR//NAR/4/MY/N10B//LR/3/MD/YB							SR	ID# =		854846 OR8504846P		
4	3219	54	36.	95											

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
5	3514	64	75.5			295		20S							
6						282									
7						323			50S						2
9							20R	10R	80X						
12															1
19	5914	117		100					50M						
22			31.8	81		121									
23			28.2	78		133	2MR				2	65	50		
26				80		131				7	1				
27				86		120					8		85		
51	580	26	39.6	90		141		5R		1	0		25		
55				100		166									1
59						170	20MS			3					
60	518	160	39.3	76		200							85		
61	1000	31		65		128									
76				95				40MR			5				
77				95		129									161
82	1743	81		76		126							100		
95	7744	113				140									3
96	4698	93													
97	4357	92													2
109						329									
93	SWM801262		JCAM/EMU S//TAN S							HR	ID# =		850348 OR8500348P		
4	3996	67	38.	100						1					
5	3029	55	79.7			309								*	
6						281									
7						324			50S						
9							20R	1R	10R						
12															1
19	5747	113		115					30MS						
22			25.2	78		121									
23			32.5	84		133					1	50	10		

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
26				96		131				7	2				
27				101							3		80		
51			25.6	75	90	146		1R		3	0		70		
55				90		175									1
59						170	15MS			4					
60	305	94	41.	65		198							75		
61	1666	52		90		126									
76				85				1R							
77				95		130									161
82	1771	83		88		127							100		
95	6699	98				140									3
96	5058	100													
97	3953	83													2
109															
94	OWW820371		VIL27/KT54A/N10B/KT54/1228/PCH/OM/N10B/KT54/NAR/SW07329 SR								ID# =		855124 OR8505124P		
4	5550	93	40.	115						1					
5	4120	75	74.6			309		10R						*	
6						284									
7						323		20MR							
9							15R	1R	80X						
12															2
19	6663	132		120				60S	40S						
22			26.2	79		123									
23			38.2	99		133					2	68	10		
26				107		130				7	1				
27				99		120	5MR				8		95		
51	1850	85	42.	100	10	145		5R		3	3		90		
55				100		177									1
59						170	10MR			3					
60	382	118	41.	60		197							60		
61	1800	56		82		125									
76				105				20MR			3				

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
77				100		130									162
82	2114	99		97		127							100		
95	5772	84				138									3
96	5224	104													
97	5331	112													1
109															
95 SWM801231 ANZA/3/PI/NAR//HYS/4/HIM/COC//NAC										SW ID# = 850305 OR8500305P					
4	3274	55	28.	95						8					
5	3938	72	75.			295									
6						264									
7						314		50S	50S						
9							20R	70X	80S						
12															3
19	5331	105		100					20MS						
22			33.2	79		123									
23				99		133					2	45	10		
26				95		126				2	1				
27				95		113							60		
51	1110	51	33.2	90	30	141		15MR		3	1		45		
55				95		156									1
59						170	25MS								
60	294	91	39.8	60		201							62		
61	2600	82		85		103									
76				100				40MS							
77				105		128									163
82	900	42		91		118							95		
95	6239	91				129	70S								4
96	5078	101													
97	5133	108													3
109						320									

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
96 OWW820525	69-153/YMH//67-237/3/MAG/CLLF									SR ID# =	855531 OR8505531P				
4	4218	71	38.	100						3					
5	3696	68	71.9			303		20S							
6						277									
7						321			10R						
9							5R	50X	60S						
12															1
19	3082	61		95					80S						
22			28.2	85		122									
23			29.5	82		133	2MR					53	10		
26				92		130				4	2				
27				85		119	10S				8		80		
51	1515	69	31.8	90	50	144		1R		3	3		85		
55				95		164									1
59						170	30S								
60	295	91	52.	72		200							90	*	
61	1733	54		75		117									
76				95				60MS			5				
77				105		131									163
82	1586	74		88		120							100		
95	6582	96				134									3
96	4325	86													
97	5033	106													1
109						328									
97 SWM823633	STP/69D-3607//CWG/3/GLEN									SR ID# =	858059 OR8508059P				
4	4884	82	36.	100						2					
5	3817	70	77.3			302								*	
6						291									
7						330									1
9							20R	1R	10R						

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
12															0
19	3748	74		95					10S						
22			31.2	80		121									
23			32.6	94		133		1R			3	55	10		
26				97		125				4	2				
27				96		117							90		
51	1730	79	30.6	95	10	140		5R		3	0		85		
55				85		167									1
59						170	10MR			3					
60	294	91	40.	50		203							65		
61	3266	103		88		109									
76				100				5R			5				
77				100		130									164
82	2643	124		84		117							100		
95	6401	94				129	30S								5
96	4620	92													
97	3769	79													4
109						326									
98	SWM801127		RAN/LOV 13//FURY/TRM							HR	ID# =		850165 OR8500165H		
4	5772	97	36.	100						3					
5	4605	84	78.2			295		30MS							
6						264									
7						315			50S						
9							15R	10R	30MR						
12															4
19	6663	132		100				1R	50S						
22			31.	81		121									
23				94		133	2MR				4	62	5		
26				95		126				3	1				
27	4131	45	33.4	81		115					5		60		
51			26.2	70		143		5R		1	0		5		
55				90		159									1

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
59						170	25MS								
60	270	83	42.5	55		201							60		
61	3400	107		80		109									
76				85				5R							
77				95		130									161
82	914	42		79		126							15		
95	6153	90				133									3
96	4551	90													
97	4671	98													3
109						320									
99	SWM801127		RAN/LOV 13//FURY/TRM							HR	ID# =		850166 OR8500166P		
4	6160	104	44.	105						2					
5	3696	68	76.4			301		10MS							
6						273									
7						315		50S	50S						
9							15R	15R	40MR						
12															4
19	6414	127		100				50S	70S						
22			33.	84		122									
23			41.6	92		133	1R	2MR			3	55	30	*	
26				95		126				2	1				
27	10545	116	30.8	98		116					8		95		
51	2115	97	37.4	95		144		5R		1	3		80		
55				90		166									1
59						170	10MR			3					
60	294	90	38.5	70		201							75		
61	3000	94		85		117									
76				100				60MS							
77				100		130									162
82	1571	73		94		124							100		
95	4711	69			40	134									4
96	5419	107													

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
97	3395	71													4
109						321									
101 SWM812281 JI/3/PJ/NAR//HN7/CD/4/JAR//GNS/LP/5/BOW										HR	ID# =	852609 OR8502609H			
4	3774	63	30.	85						2					
5	5211	96	74.6			299	20MS	20S							
6						274									20%
7						316			50S						
9							10R	80S	80S						
12															2
19	6247	123		90				40S	80MR						
22			30.6	72		122									
23				94		133	2MR				4	62	10		
26				78		125				2	3				
27				83		117	80S				9		80		
51	1045	48	30.2	75		141		20R		3	5		65		
55				80		156									1
59						170	70S								
60	264	81	37.5	68		201							60		
61	2333	73		78		111									
76				80				99S			7				
77				105		131	99S	10MR							162
82	1871	87		74		116							80		
95	3810	56				134	99S								4
96	5322	105													
97	3438	72													3
109	1218	70				323									
102 SWM812264 ANZA/3/PI/NAR//HYS/4/JUP/BJY										SR	ID# =	852558 OR8502558H			
4	4107	69	31.	80						4					
5	4423	81	78.4			304								*	
6						284									

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
7						324		10MR	5MR						
9							10R	1R	25MR						
12															0
19	5331	105		95					40S						
22			28.8	81		123									
23			31.1	78		133	1R				3	74	10		
26				82		127				3	2				
27				85		119	80S				9		80		
51	2030	93	30.6	90		142		5R		3	7		70		
55				85		165									1
59						170	1R			3	3				
60	401	123	41.	70		200							65		
61	1666	52		65		117									
76				95				1R			7				
77				110		128									168
82	3072	144		87		119							100		
95	5545	81				134									4
96	5098	101													
97	4059	85													2
109															
103	OWW800008		YMH/HYS/3/II58-57//YMH/2*P101							HR	ID# =		850919 OR8500919H		
4	3441	58	29.	110						5					
5	3817	70	77.5			299	5MS	20MS							
6						274									
7						316			50S						
9							10R	50S	20R						
12															1
19	5164	102		90				30S	60S						
22			26.	71		123									
23			35.			133						65	10		
26				78		125	40MS			2	3				
27				86		116	80S				9		80		

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
51	980	45	29.6	75		141		10R		3	5		70		
55				80		162									1
59						170	60S								
60	283	87	40.	55		204							55		
61	2000	63		65		115									
76				75				99S			7				
77				60		140	20S	10MR							163
82	2386	112		79		116							95		
95	5911	86				133	80S								1
96	5296	105													
97	5115	108													2
109						323									
104	SWM801218		WRM/4/FN/TH*3//K58/N*2/3/MY54/N10B//AN			S/5/BUC S				HR	ID# =		850289 OR8500289P		
4	4051	68	40.	85						4					
5	6059	111	77.3			299	10MS							*	
6						271									
7						316			20MS						
9							20R	1R	25MR						
12															3
19	8246	163		120					60X						
22			21.	89		122									
23						133						48	5		
26				110		128				1	1				
27	6464	71	30.6	92		119					8		60		
51	680	31	36.	100		145		5R		1	1		5		
55				105		161									1
59						170	25MS			4					
60	529	163	48.	80		201							88		
61	1333	42		95		111									
76				110				20MR			3				
77				100		139	20MS								163
82	700	32		88		126							20		

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
95	6656	97				134	80S								2
96	4357	86													
97	3577	75													2
109						323									
105	SW0802206		SWM790756,F1/5/AU//MINN/HK/3/38MA/4/YMH/ERA							SW	ID# =		850866 OR8500866P		
4	2908	49	31.	90						4					
5	4120	75	76.1			302		5R							
6						273									
7						316			10MS						
9							25R	1R	80X						
12															2
19	4498	89		90				50S	60X						
22			29.8	74		121									
23			34.	72		133	3S	3S			3	46	20		
26				77		127				3	4				
27				79		119	10S				7		80		
51	1600	73	27.2	75		144		5R		3	0		70		
55				80		163									2
59						170	25MS								
60	352	109	38.	92		203							70		
61	1333	42		65		128									
76				80				1R			3				
77				75		138									163
82	2872	134		81		121							95		
95	7887	116				138	80S								2
96	5092	101													
97	3982	84													2
109						323									
106	OWW820254		VG4059-2-16-117-69/ERA//ALFANG3							SR	ID# =		854956 OR8504956P		
4	4773	80	34.	95						2					

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
5	3454	63	75.7			299	1R	1R	30S						
6						272									
7						314			50S						
9							30R	10R	90S						
12															2
19	3831	75		100				50S	80S						
22			29.8	79		121									
23			31.4	85		133	2MR	2MR			3	67	30	*	
26				85		127				3	4				
27				85		117	10S				8		80		
51	1810	83	28.4	80		144		5R		3	5		80		
55				80		162	30MS								1
59						170	15MS			5					
60	412	127	40.	60		199							65		
61	2133	67		78		115									
76				75				40MS			9				
77				65		140	1R	1R							162
82	2229	104		88		125							100		
95	6256	92				134	70S								3
96	5046	100													
97	4059	85													3
109						324									
107	OWW820055		TRK/3/SMB/PCHU//KAL/BB							HR	ID# =		854543 OR8504543P		
4	5106	86	38.	95						2					
5	5090	93	74.6			302								*	
6						278									
7						316			50S						
9							15R	1R	80X						
12															2
19	5331	105		100					30MS						
22			28.	88		123									
23			36.1	85		133	3S	1R			3	52	70	*	

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
26				85		127				4	2				
27				93		119					9		80		
51	1885	86	32.8	95		143		5R		3	5		85		
55				80		167									1
59						170	15MR								
60	295	91	42.5	55		204							50		
61	1666	52		60		117									
76				85				5R			9				
77				85		141		1R							162
82	2086	97		81		125							100		
95	6579	96			20	134									3
96	4698	93													
97	5442	115													2
109						329									
108	SWM801693		TJB916-46//SAP/MON							SW	ID# =		850553 OR8500553H		
4	5883	99	30.	100						1					
5	2787	51	68.3			302	1R		30S						
6						273									
7						315			50S						
9							20R		20MR						
12															1
19	2665	52		95				60S	50S						
22			21.2	87		123									
23			16.3	77		133	4S	4S			4	65	5		
26				85		127	70S			4	3				
27				91		117					9		80		
51	1070	49	25.	75		146		10R		1	5		35		
55				85		164	60MS								1
59						170	70S				3				
60	324	100	40.5	50		204							55		
61	800	25		65		125									
76				90				1R			7				

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
77				70		137									162
82	1428	67		84		124							100		
95	6584	96				139									2
96	4872	97													
97	4411	93													2
109						324									
109	OWW820527	HILL/CMT								HR	ID# =		855543 OR8505543P		
4	4329	73	34.	85						1					
5	3696	68	74.6			310									
6						282									
7						323			50S						
9							5R	40X	90X						
12															1
19	3498	69		95				60S	40S						
22			20.2	81		123									
23			28.1	86		133	2MR				1	50	40		
26				88		131				3	1				
27				91		121							95		
51	2065	95	29.6	95		144		5R		1	0		80		
55				85		176									1
59						170	10MR			2	3				
60	441	136	47.	60		196							70		
61	1133	35		70		128									
76				90				40MS			3				
77				60		140									163
82	871	40		84		127							100		
95	6742	99				139									3
96	4414	87													
97	5159	109													1
109															

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
110 SWM801853 AU/3/MINN//HK/MDA38/4/YMH/ERA/5/BOW										SW	ID# =		850633 OR8500633P		
4	2819	47	30.	100						3					
5	3878	71	78.6			302								*	
6						277									
7						319									2
9							30R	1R	10R						
12															1
19				85					20X						
22			20.4	70		123									
23			28.6	75		132	1R	3S			4	52	40		
26				81		126				4	4				
27				79		117	10MS				5		95		
51	1155	53	21.4	75		141		20R		3	1		80		
55				80		162									1
59						170	5MR			3	3				
60	235	72	37.	75		201							70		
61	2200	69		80		117									
76				80				1R			3				
77				75		140									163
82	1943	91		76		118							100		
95	6084	89				134	40S								3
96	4243	84													
97	3340	70													4
109						323									
111 SWM801824 ASH/BUC										HR	ID# =		850601 OR8500601P		
4	2997	50	32.	90						5					
5	3999	73	76.4			310			10S					*	
6						276									10%
7						318		20MR							1
9							25R	1R	10R						

TABLE 2. Tabulation of All Agronomic Characteristics Measured for All Entries at All Locations Reporting Results of the 15th International Winter X Spring Wheat Screening Nursery - Early Lines

ENTRY LOCATION	YIELD (KG/HA)	% OF CHECK	TEST WT OR 1000KW	PLANT HEIGHT (CM)	LODGING (%)	DAYS TO FLOWER	PUC S	PUC R	PUC G	SEPT T	E G T	STAND EST	WINTER HDNS (%)	LINES SELECTED	MISC
12															2
19	6164	122		110				1R	30MS						
22			24.4	85		123									
23			34.5	83		133	2MR				1	35	40		
26				93		127				3	1				
27				95		119	10MS				8		80		
51	1970	90	33.6	95		142		5R		3	1		75		
55				95		166									2
59						170	15MR			4	4				
60	352	109	40.	80		203							70		
61	1400	44		82		117									
76				95				1R			5				
77				80		140	5S								

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

COUNTRY: ARGENTINA
STATE: BUENOS AIRES
STATION: INTA-EEA BALCARCE
COOPERATORS: J.H. BARIFFI, L. GONI, H. DELMAGIN

LATITUDE: 37 45'S LONGITUDE: 58°18'W ELEVATION: 130M
DATE PLANTED: 27/5/87 DATE HARVESTED: 4/1/88
MOISTURE: 767MM TOTAL FERTILIZER: 18N 46P
LOCAL CHECK VARIETY USED IN THIS NURSERY: BUCK NAPOSTA

COMMENTS: We had winds and rains before harvest which produced shattering and lodging. We had 23 days of below 0 C temperatures. We had light infections of rust and good infections of Septoria.

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	5905.2	100	33.0	125						5					
76	6105.0	103	46.0	95						1					
108	5883.0	99	30.0	100						1					
94	5550.0	93	40.0	115						1					
85	5439.0	92	37.0	95						1					
22	5272.5	89	30.0	100					50MS	1					
99	6160.5	104	44.0	105						2					
67	4495.5	76	36.0	90						1					
19	5661.0	95	40.0	105						2					
11	5661.0	95	43.0	110						2					
83	5661.0	95	40.0	100						2					
63	4440.0	75	40.0	105						1					
9	4828.5	81	33.0	105					5MS	2					
28	5439.0	92	42.0	110						2					
77	4329.0	73	36.0	95						1					
46	5272.5	89	36.0	90						2					
109	4329.0	73	34.0	85						1					
107	5106.0	86	38.0	95						2					
86	5106.0	86	40.0	90						2					
55	5161.5	87	33.0	85						2					
90	4995.0	84	38.0	125						2					
18	3996.0	67	39.0	115						1					
97	4884.0	82	36.0	100						2					
24	4828.5	81	35.0	100						2					
93	3996.0	67	38.0	100						1					

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

COUNTRY: ARGENTINA
STATE: BUENOS AIRES
STATION: INTA-EEA BORDENAVE
COOPERATORS: JUAN RAMON LOPEZ

LATITUDE: 37°50'S LONGITUDE: 63°01'W ELEVATION: 212M
DATE PLANTED: 22/06/87 DATE HARVESTED: / /88
MOISTURE: 392MM TOTAL FERTILIZER:
LOCAL CHECK VARIETY USED IN THIS NURSERY:

COMMENTS: We had good conditions for the growing season. There was 41 days of below 0 C. We had moderate infections of Stripe and 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	5423.7	100	78.4			299									
31	4605.6	84	78.2			296	1R	1R						*	
56	4787.4	88	77.7			296								*	
71	4726.8	87	75.9			296								*	
49	4848.0	89	80.4			299		1R						*	
104	6060.0	111	77.3			299	10MS							*	
81	4484.4	82	77.0			299		1R						*	
95	3939.0	72	75.0			295									
12	3848.1	70	76.4			294		5MR							
82	4120.8	75	74.6			296		5MR							
63	5514.6	101	76.8			299								*	
79	5029.8	92	75.2			299								*	
112	3696.6	68	75.9			299		1R							
48	3696.6	68	80.2			299		1R						*	
65	4787.4	88	79.5			299								*	
47	3817.8	70	78.2			296									
53	5090.4	93	77.9			300		1R						*	
58	4423.8	81	75.0			298									
69	4605.6	84	77.3			299								*	
27	3636.0	67	76.4			299		1R							
36	3757.2	69	80.8			296								*	
33	3575.4	65	77.5			291		5MS							
50	6423.6	118	78.8			299		10MS						*	
106	3454.2	63	75.7			299	1R	1R	30S						
32	3514.8	64	80.2			296		5MR						*	

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

COUNTRY: ARGENTINA
STATE: COESOBA
STATION: INTA-EEA MARCOS JUAREZ
COOPERATORS: WHEAT STAFF

LATITUDE: 32°42'S LONGITUDE: 62°07'W ELEVATION: 110M
DATE PLANTED: 06/03/87 DATE HARVESTED:
MOISTURE: 197MM TOTAL FERTILIZER:
LOCAL CHECK VARIETY USED IN THIS NURSERY: LOS ROSA INTA

COMMENTS: There was slight to moderate disease development. Frost damage is recorded in the misc. 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		80		281		20MR	1R	2					
3						263									30%
33						263									
36						264									20%
95						264									
98						264									
79						264									
71						264									
13						266									10%
81						266									
83						266									
82						266									
32						266									
65				80		269		20MS	1R	2					
31						268									
63						268									
12						268									10%
69						269									
30						271									
104						271									
14						271									10%
55				70		274		15MS	1R	3					
106						272									
24						272									10%
47						272									

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

COUNTRY: ARGENTINA
STATE: BUENOS AIRES
STATION: CRIADERO BUCK
COOPERATORS: JOSE BUCK S.A.

LATITUDE: 38°20'S LONGITUDE: 59°00'W ELEVATION: 72M
DATE PLANTED: 10/08/87 DATE HARVESTED: 15/01/88
MOISTURE: 335MM TOTAL FERTILIZER: 64N 46P
LOCAL CHECK VARIETY USED IN THIS NURSERY: BUCK OMBU

COMMENTS: Temperatures and humidity were normal for crop development, except for 3 days of high temperatures prior to maturity. There was a late infestation of stem and leaf rust. There were no insect or weed problems encountered. Fusarium gr. incidence is recorded in the misc. column on a scale of 0-5.

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				309			5R					*	1
91						309									2
6						311									1
71						311									
23						311									2
7						312									1
79						313			10MR					*	
27						313		30MS	10MR						1
33						305		20MR	60S						
82						309			50S						1
69						313		50S							2
47						314		50S							3
30						315		30MS	10MR						2
36						314		50S							1
12						313			50MS						
95						314		50S	50S						
29						316			10MR						2
106						314			50S						
83						314			50S						
64						316		30MS							2
28						316		30MS							1
105						316			10MS						
99						315		50S	50S						
98						315			50S						
72						315									

TABLE 3- 9. Entries Selected for Over All Agronomic Performance at Location 9 in Rainfall Zone 1

COUNTRY: AUSTRALIA
STATE: NEW SOUTH WALES
STATION: P.B.I. CASTLE HILL
COOPERATORS: R.A. McINTOSH, D.L. MILNE, W.B. DYER

LATITUDE: 33°44'S LONGITUDE: 151°10'E ELEVATION: 121M
DATE PLANTED: 01/05/87 DATE HARVESTED: /11/88
MOISTURE: MM TOTAL FERTILIZER:
LOCAL CHECK VARIETY USED IN THIS NURSERY:

COMMENTS: Very 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		100					10R	10R	10R						
109							5R	40X	90X						
15							5R		5R						
67							5R	1R	5R						
47							5R		10R						
11							5R		10R						
48							5R		10R						
64							5R	80X	10R						
31							5R	1R	10R						
66							5R		10R						
46							5R	1R	10R						
13							10R	1R	5R						
14							10R	1R	1R						
112							10R	1R	5R						
78							10R	1R	1R						
8							10R	1R	10R						
28							10R	90X	10R						
49							10R		10R						
35							10R	60X	70X						
56							5R	1R	40MR						
29							20R	1R	10R						
93							20R	1R	10R						
94							15R	1R	80X						
85							20R	1R	10R						
107							15R	1R	80X						

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

COUNTRY: BRAZIL
STATE: RIO GRANDE DOSUL
STATION: CNPT-PASSO FUNDO
COOPERATORS: CANTIDIO N.A. DE SOUSA

LATITUDE: 28°15'S LONGITUDE: 52°24'W ELEVATION: 684M
DATE PLANTED: 26/06/87 DATE HARVESTED: /10/87
MOISTURE: 863MM TOTAL FERTILIZER: 13N 63P 63K
LOCAL CHECK VARIETY USED IN THIS NURSERY: BR14 AND CEP11

COMMENTS: A very heavy incidence of soil born mosaic virus, septoria and mildew. There was 5 days of below 0 C. Plot score is recorded in the misc. column, 0=poor to 9=excellent.

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

TABLE 3- 19. Entries Selected for Over All Agronomic Performance at Location 19 in Rainfall Zone 2

COUNTRY: CHILE
STATE: SANTIAGO
STATION: LA PLATINA
COOPERATORS: I. RAMIREZ AND WHEAT STAFF

LATITUDE: 33°34'S LONGITUDE: 70°38'W ELEVATION: 625M
DATE PLANTED: 18/06/87 DATE HARVESTED: 10/01/88
MOISTURE: 795MMI TOTAL FERTILIZER: 90N 60P
LOCAL CHECK VARIETY USED IN THIS NURSERY: MAITEN INIA

COMMENTS: We had severe leaf and stem rust. There was 5 days of below 0 C temperatures in NOV.

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	5048.0	100		95				40X	10MR						
63	10745.7	212		130				40X	20X						
45	8996.4	178		100					30X						
48	8413.3	166		100				1R	1R						
11	7913.5	156		115					1R						
49	6997.2	138		100					1R						
36	6830.6	135		130				60X	1R						
104	8246.7	163		120					60X						
66	6580.7	130		105					1R						
69	7080.5	140		105					5MR						
65	6664.0	132		115				1R	5MR						
67	6913.9	136		105				30S	10MR						
46	6830.6	135		85				40S	5MS						
55	6664.0	132		95					10MR						
85	6164.2	122		100				30S	20X						
47	5664.4	112		90				1R	1R						
38	6830.6	135		100				50S	10MR						
71	8413.3	166		105				40S	30MS						
112	5331.2	105		90					1R						
91	8163.4	161		115					10M						
90	5247.9	103		125					1R						
34	7663.6	151		120				50S	10MS						
14	6830.6	135		105				1R	40S						
3	5914.3	117		90					10MR						
64	5914.3	117		100					10MR						

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

COUNTRY: CHINA
STATE: JIANGSU
STATION: INST. OF FOOD CROPS-JIANGSU ACADEMY
COOPERATORS: CAO YANG

LATITUDE: 32° 'N LONGITUDE: 118°48'E ELEVATION: 8.9 M
DATE PLANTED: 25/10/87 DATE HARVESTED: 6/06/88
MOISTURE: 444MM TOTAL FERTILIZER: 100N
LOCAL CHECK VARIETY USED IN THIS NURSERY: NING MAI-3

COMMENTS: During grain-filling stage, temperature was usually high and late-ripening materials are senescent, seeds are not fully filled.

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	40.8	91		119									
44			15.7	73		118									
38			23.0	77		118									
82			36.4	94		118									
83			29.0	82		118									
58			30.4	84		118									
91			33.8	82		118									
33			30.8	70		118									
11			37.2	96		119									
14			31.8	80		119									
13			33.6	84		119									
10			30.2	91		119									
3			26.8	67		119									
15			31.4	86		120									
53			19.8	78		120									
6			36.2	94		120									
26			24.8	85		120									
18			33.0	92		120									
34			17.4	82		120									
37			19.2	75		120									
69			23.6	84		120									
23			36.2	79		120									
4			31.6	79		120									
8			37.6	88		120									
39			32.2	76		120									

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

COUNTRY: CHINA
STATE: BEIJING
STATION: C.A.A.S.
COOPERATORS: HENG-LI WANG

LATITUDE: 39°59'N LONGITUDE: 116°17'E ELEVATION: 54M
DATE PLANTED: 22/10/87 DATE HARVESTED: 24/06/88
MOISTURE: 176MMI TOTAL FERTILIZER: 134N 165P 31K
LOCAL CHECK VARIETY USED IN THIS NURSERY: FENG KANG 2

COMMENTS: There was drought during seedling and low temperatures in the spring. Yellow rust was not so heavy. There were 72 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		100	42.3	83		130					3	63	90		
90			39.1	108		132	1R				1	62	80	*	
25			32.2	86		133	1R	1R			1	73	80	*	
58			36.7	84		130	3S	2MR			1	71	80	*	
23			30.5	81		131	1R				2	50	75		
18			30.9	85		133	2MR	1R			1	67	80		
87			35.2	93		133	2MR				1	61	80		
81			34.2	85		132	2MR				2	68	80		
75			29.6	87		133	2MR				1	67	80		
85			32.1	82		133	1R				1	51	70		
54			32.0	88		132					2	58	80	*	
19			31.7	87		133	2MR				2	59	80		
68			33.8	86		133	2MR				2	50	80	*	
2			41.1	93		133	2MR				2	57	85	*	
74			39.2	87		131		1R			3	64	70	*	
22			23.9	78		133	2MR	2MR				55	75		
89			40.0	85		133					1	61	40		
52			32.8	77		131	2MR					52	40		
84			33.5	85		133	1R				1	62	40		
53			35.1	85		132	1R					50	30		
10			32.7	88		133	2MR					67	70		
76				89		133						62	70		
67			25.6	82		133	3S				1	63	80		
91			38.7	85		132	2MR				2	56	40		
73			36.4	79		133	2MR				1	64	40		

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

COUNTRY: CHINA
STATE: SHANXI
STATION: YANG LING
COOPERATORS: NING KUN

LATITUDE: 34°21'N LONGITUDE: 108 10'E ELEVATION: 455M
DATE PLANTED: 05/10/87 DATE HARVESTED: 15/06/88
MOISTURE: 307MMI TOTAL FERTILIZER: 45N 45P
LOCAL CHECK VARIETY USED IN THIS NURSERY: XIAO YAN 6

COMMENTS: It was a dry autumn and winter. The temperature was low in the winter. There was much rain in the spring and early summer. There were 119 days of below 0 C temperatures. Wheat scab and helminthosporium sativa were serious 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	4400.0	100	36.5	74		119	70S			2	2			*	
7				93		125				1	2				
95				95		126				2	1				
83	4000.0	90	36.5	100		124				2	2			*	
32				91		126	40MS			2	1				
99				95		126				2	1				
33				75		120	20MR			4	2				
103				78		125	40MS			2	3				
52				80		125				4	1				
8				101		125				4	1				
23				82		124				3	2				
98				95		126				3	1				
74				104		127				2	1				
58				84		125				2	3				
101				78		125				2	3				
1				117		127	70S			2	1				
39				90		125				2	3				
59				90		126				2	2				
113				87		126				2	2				
91	4800.0	109	39.5	100		125	20MR			3	4			*	
54				82		125				1	4				
61				100		127	40MS			3	1				
12				100		126	40MS			1	4				
97				97		125				4	2				
6				95		125				1	5				

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

COUNTRY: CHINA
STATE: ZHENGZHOU HENAN
STATION: HENAN WHEAT RES. INST.
COOPERATORS: Z. DE FANG

LATITUDE: 34 49'N LONGITUDE: 113°40'E ELEVATION: 808M
DATE PLANTED: 06/10/87 DATE HARVESTED: 08/06/88
MOISTURE: 181MMI TOTAL FERTILIZER: 245N 124P 124K
LOCAL CHECK VARIETY USED IN THIS NURSERY: BAOFENG 7228

COMMENTS: It was very cold in early winter and mild in winter. Amount of precipitation was less than normal. Temperatures were low in May and we had 19 days of below 0 C temperatures. Powdery mildew and stripe rust were more, as leaf rust and septoria were less evident. Aphids were a pest 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	9046.4	100	32.0	80		112	10MS				5		80		
67				85									95		
81				110		117	5M				5		95		
110				79		117	10MS				5		95		
22				82			10MS				8		95		
93				101							3		80		
99	10545.8	116	30.8	98		116					8		95		
29	9979.3	110	32.6	107		117					3		80		
61				109		117	10MS				8		95		
58	8246.7	91	31.4	103		112					8		80		
4	7746.9	85	32.0	80		116	25M				8		95		
76	8813.1	97	36.2	109		118					5		95		
14	6547.4	72	24.4	93		116	5MS				7		80		
1	9712.8	107	33.2	118		117	25MS				6		95		
55				84			10MR				8		80		
79				100		114	5MS				5		60		
66	5931.0	65	28.4	97		119					5		95		
64	3648.5	40	26.0	94		117	10S						95		
97				96		117							90		
98	4131.7	45	33.4	81		115					5		60		
86				87		117							80		
15	8130.1	89	32.4	100							0		60		
23				98		111	25MS				9		80		
10	10595.8	117	31.0	91		119	5MS				5		80		
82	5197.9	57	30.4	87		113	5S				6		60		

TABLE 3- 51. Entries Selected for Over All Agronomic Performance at Location 51 in Rainfall Zone 1

COUNTRY: KOREA
STATE: SUWON
STATION: WHEAT AND BARLEY INST.
COOPERATORS: CHON SUK PARK

LATITUDE: 36°19'N LONGITUDE: 126°59'E ELEVATION: 37M
DATE PLANTED: 05/10/87 DATE HARVESTED: 01/07/88
MOISTURE: 323MM TOTAL FERTILIZER: 120N 90P 70K
LOCAL CHECK VARIETY USED IN THIS NURSERY: GEURUMIL

COMMENTS: Weather conditions were good, but the winter survival of some varieties was poor.

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	2170.0	100	30.9	75	65	134		5R		3	7		100		
9	2165.0	99	38.4	80		139		1R		1	1		100		
25	2930.0	135	36.8	90		140		5R		1	0		100		
74	2105.0	97	40.6	100		139		1R		1	0		90		
10	2560.0	117	37.4	75		140		1R		3	1		100		
1	2900.0	133	40.8	105	55	140		5R		3	3		100		
23	2515.0	115	36.6	85		138		5R		3	1		90		
58	2580.0	118	35.8	95		139		5R		3	1		90		
54	3990.0	183	36.2	80		141		1R		3	5		95		
52	3175.0	146	37.4	80		140		1R		3	3		80		
26	2755.0	126	46.4	100		143		1R		1	3		100		
59	2405.0	110	41.2	85		141		1R		1	3		75		
29	2075.0	95	43.8	90		141		5R		3	0		90		
35	2765.0	127	37.0	85		141		1R		1	3		70		
76	1695.0	78	39.0	95		141		5R		3	1		100		
18	2545.0	117	34.2	90		142		1R		3	5		100		
28	3075.0	141	43.4	100		142		5R		1	3		90		
88	1185.0	54	30.0	95	30	140		5R		1	3		95		
97	1730.0	79	30.6	95	10	140		5R		3	0		85		
4	1740.0	80	34.6	85		138		5R		3	5		100		
7	1710.0	78	44.0	80		138		1R		1	1		50		
85	1570.0	72	29.4	85	10	141		20R		3	0		100		
81	2075.0	95	34.8	110		141		15R		1	1		85		
42	2175.0	100	34.8	65		141		1R		3	0		50		
2	2395.0	110	41.7	98		144		1R		3	3		100		

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

COUNTRY: MEXICO
STATE:
STATION: TOLUCA
COOPERATORS: CIMMYT STAFF

LATITUDE: 19°16'N LONGITUDE: 99°15'W ELEVATION: 2640M
DATE PLANTED: 11/11/87 DATE HARVESTED: / /88
MOISTURE: 540MM TOTAL FERTILIZER:
LOCAL CHECK VARIETY USED IN THIS NURSERY:

COMMENTS: We had moderate winds, little precipitation, low relative humidity, and cool temperatures. Very little presence of rusts, but high incidence of BYDV and aphids. Frost damage is recorded in the misc. column, o=no damage and 5=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													
33				80		149								1	
32				85		150								1	
3				80		150								1	
43				75		154								1	
42				80		154								2	
12				90		155								1	
45				95		156								1	
47				85		156								1	
69				90		156								1	
95				95		156								1	
39				85		156								1	
101				80		156								1	
38				95		157								1	
36				110		157								1	
27				90		157								2	
86				85		157								1	
37				95		157								1	
106				80		162	30MS							1	
82				85		158								2	
98				90		159								1	
71				85		159								1	
91				95		160								1	
23				90		160								1	
48				95		160								1	

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

COUNTRY: NEW ZEALAND
STATE: CANTEBURY
STATION: LINCOLN
COOPERATORS: W.B. GRIFFIN

LATITUDE: 43°38'S LONGITUDE: 172°30'E ELEVATION: 11M
DATE PLANTED: 27/05/87 DATE HARVESTED:
MOISTURE: 275MMI TOTAL FERTILIZER: 150N 24P
LOCAL CHECK VARIETY USED IN THIS NURSERY: KOTARE

COMMENTS: Adequate winter and spring rainfall ensured good crop establishment and early growth. In late spring and early summer, drought conditions prevailed causing yield reduction unless irrigation was applied. Winter and spring temperatures were high, causing very early and severe stripe and leaf rust, septoria tritici 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					20MS	5MR		4					
42						170	1R			2	3				
57							1R	10MR		1	2				
43						170	1R			2	3				
86						170	5MR			1	1				
84							1R			1	3				
41							1R			2	3				
22							1R			2	3			*	
69						170	5MR			2	3				
102						170	1R			3	3				
48						170	10MR			1	3				
44						170	1R			2	4				
49						170	10MR			1	3				
3						170	10MR	15MS		2	3				
89							5MR			2	1				
109						170	10MR			2	3				
110						170	5MR			3	3				
90						170	10MR			3	1				
58						170	10MR			2					
66						170	10MR			3	3				
72							5MR			2	3				
33						170	10MR			3	3				
38						170	5MR			2	5				
56							1R			3	3				
55						170	10MR			2	4				

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

COUNTRY: PAKISTAN
STATE: N.W.F.P.
STATION: HILL AG. RES. STATION-KAGHAN
COOPERATORS: G.H. KAHN, S. HUSSAIN AND STAFF

LATITUDE: 37°78'N LONGITUDE: 73°57'E ELEVATION: 2103M
DATE PLANTED: 12/11/87 DATE HARVESTED: 10/07/88
MOISTURE: 28MMI TOTAL FERTILIZER: 140N 70P
LOCAL CHECK VARIETY USED IN THIS NURSERY: PAK 81

COMMENTS: There was frequent rain, heavy snowfall, it hailed twice, and windstorms during this period. There were 20 days of below 0 C temperatures. Days to heading is recorded as the dav from seeding.

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	323.4	100	48.5	62		202							98		
78	482.2	149	44.0	72		196							80		
55	500.4	154	38.5	80		196							80		
34	471.6	145	40.0	70		195							80		
33	499.8	154	41.0	62		199	5MS						80		
32	529.2	163	48.0	60		200							85		
92	518.0	160	39.3	76		200							85		
76	388.1	119	40.0	70		198							85		
75	435.1	134	40.0	60		199							85		
7	441.6	136	34.5	55		198	5MS						70		
89	383.4	118	45.2	70		199							92	*	
13	441.0	136	48.5	92		195							70		
79	424.5	131	32.0	58		200							85		
109	441.0	136	47.0	60		196							70		
47	294.6	91	32.5	45		194							80		
77	565.7	174	42.0	65		201							85		
104	529.2	163	48.0	80		201							88		
96	295.2	91	52.0	72		200							90	*	
65	282.2	87	55.0	85		196							80		
44	353.4	109	41.0	70		199	5MR						65		
10	352.8	109	40.0	75		200							80		
37	353.4	109	36.5	60		198							70		
93	305.8	94	41.0	65		198							75		
66	294.0	90	40.0	65		196							70		
22	294.0	90	39.0	92		198							75		

TABLE 3- 61. Entries Selected for Over All Agronomic Performance at Location 61 in Rainfall Zone 1

COUNTRY: PAKISTAN
STATE: BALUCHISTAN
STATION: A.R.I. SARIAB QUETTA
COOPERATORS: WHEAT BOTANIST

LATITUDE: 26°06'N LONGITUDE: 40°07'E ELEVATION: 1666M
DATE PLANTED: 19/11/87 DATE HARVESTED: 25/06/88
MOISTURE: MMI TOTAL FERTILIZER: 120N 70P
LOCAL CHECK VARIETY USED IN THIS NURSERY: ZARGHOON-79

COMMENTS: Weather was cool and very dry during the season, severe drought has been observed. Slight bird damage.

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	3166.7	100		91		107									
65	3333.3	105		90		103									
43	3000.0	94		78		103									
71	4666.7	147		80		106									
33	3266.7	103		72		103									
13	3400.0	107		82		106									
3	2666.7	84		76		101									
57	4066.7	128		95		109									
45	2466.7	77		80		103									
42	3666.7	115		72		109									
95	2600.0	82		85		103									
98	3400.0	107		80		109									
7	2733.3	86		92		106									
97	3266.7	103		88		109									
58	2800.0	88		80		109									
47	2800.0	88		90		109									
74	2666.7	84		92		109									
113	4000.0	126		70		111									
29	3666.7	115		85		111									
6	2066.7	65		92		106									
112	3400.0	107		78		111									
23	2000.0	63		85		106									
83	2133.3	67		82		109									
35	2133.3	67		85		109									
63	3000.0	94		95		111									

TABLE 3- 76. Entries Selected for Over All Agronomic Performance at Location 76 in Rainfall Zone 3

COUNTRY: TURKEY
STATE: SAKARYA
STATION: MAIZE RES. INST.
COOPERATORS: DR. H. BOSTANCIOGLU

LATITUDE: 40°47'N LONGITUDE: 29° 'E ELEVATION: 31M
DATE PLANTED: 04/01/88 DATE HARVESTED: 20/07/88
MOISTURE: 678MM TOTAL FERTILIZER: 200N 70P
LOCAL CHECK VARIETY USED IN THIS NURSERY: ORSO

COMMENTS: Weather conditions were rainy to moist and we had 15 days of below 0 C temperatures. Disease development was moderate.

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		78											
1				115				99S			3				
15				90				1R							
29				95				1R							
56				80				1R							
93				85				1R							
9				95				1R							
64				90				1R							
105				80				1R			3				
33				75				1R			3				
79				100				1R			3				
110				80				1R			3				
90				105				1R			3				
17				80				1R			3				
77				95				1R			3				
49				85				1R			5				
37				90				1R			5				
21				95				1R			5			*	
32				80				1R			5				
68				90				1R			5				
28				95				1R			5			*	
81				95				1R			5				
50				85				1R			5				
65				110				1R			5				
84				90				1R			5			*	

TABLE 3- 77. Entries Selected for Over All Agronomic Performance at Location 77 in Rainfall Zone 2

COUNTRY: TURKEY
STATE:
STATION: S.E. ANTOLIAN AG. RES.-DIYARBAKIR
COOPERATORS: F. OZBERK, I. OZBERK

LATITUDE: 37°55'N LONGITUDE: 40°12'E ELEVATION: 660M
DATE PLANTED: 10/10/87 DATE HARVESTED: 01/07/88
MOISTURE: 755MM TOTAL FERTILIZER: 60N 60P
LOCAL CHECK VARIETY USED IN THIS NURSERY:

COMMENTS: There was enough rainfall during the crop season. Yellow and brown rusts did develope. Days to maturity are listed in the misc. 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		88		130	40MR	1R							161
69				110		125									162
24				95		125									160
21				90		125									163
22				95		125									160
65				85		125									167
23				95		124	30MR								161
72				90		126									163
55				75		126									164
56				75		126									167
26				100		127		20S							
25				100		127									162
28				105		128									163
58				115		128									159
95				105		128									163
102				110		128									168
3				85		128	20S								161
10				105		130	20MR								161
53				100		129		10MR							163
79				85		129									161
76				85		129		1R							
75				85		129									163
89				100		129		5R							163
92				95		129									161
9				100		129	40S								163

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

COUNTRY: U.S.A.
STATE: ARKANSAS
STATION: UNIV. OF ARKANSAS
COOPERATORS: R.K. BACON

LATITUDE: 36°06'N LONGITUDE: 94°10'W ELEVATION: 412M
DATE PLANTED: 13/10/87 DATE HARVESTED: 22/06/88
MOISTURE: 826MMI TOTAL FERTILIZER: 112N
LOCAL CHECK VARIETY USED IN THIS NURSERY: ROSEN

COMMENTS: We had a dry spring. There was a high incidence of BYDV. There were 15 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	2129.2	100		90		123							100		
85	2915.2	136		88		116							100		
52	2486.5	116		81		115							100		
54	2900.9	136		81		116							100		
90	2400.7	112		109		116							100		
35	3372.4	158		99		118							100		
74	1886.3	88		81		115							100		
4	2629.4	123		84		117							100		
97	2643.6	124		84		117							100		
86	2829.4	132		94		118							100		
58	1743.4	81		86		115							100		
102	3072.3	144		87		119							100		
110	1943.4	91		76		118							100		
53	2443.6	114		81		119							100		
9	3543.9	166		94		120							100		
59	1772.0	83		88		118							100		
47	2172.1	102		84		119							100		
10	3215.2	151		94		120							100		
31	1614.8	75		88		118							100		
1	1829.1	85		111		119							100		
50	1772.0	83		91		119							100		
113	1729.1	81		88		119							100		
18	3672.5	172		99		121							100		
49	1643.3	77		84		119							100		
19	3029.5	142		104		121							100		

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

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

LATITUDE: 45°30'N LONGITUDE: 123°30'W ELEVATION: 68
DATE PLANTED: 14/10/87 DATE HARVESTED: 29/07/88
MOISTURE: 1030MM TOTAL FERTILIZER: 190N
LOCAL CHECK VARIETY USED IN THIS NURSERY: Stephens

COMMENTS: A visual agronomic score is given in the Miscellaneous column with 1 = best and 5 = poorest.

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	6796.0	100													
71	8139.1	119				133	20S								2
58	6853.0	100				128									1
52	6862.3	100			20	129									3
97	6401.3	94				129	30S								5
76	8421.9	123				133									4
82	6541.1	96				129	40S								2
42	8188.3	120				133									2
39	6433.6	94				133	20MS								2
37	7784.2	114				133									3
45	7736.6	113				133									4
35	6075.5	89				130	40S								3
23	7198.8	105				129	80S								2
33	5971.1	87				127									3
83	5662.2	83			30	132	30S								3
95	6239.9	91				129	70S								4
85	7681.2	113				134	40S								3
14	6621.0	97				133	70S								2
28	7793.4	114				134	50S								1
38	8649.3	127				134									2
7	6103.2	89			10	129	80S								4
65	5479.4	80				133	40S								2
4	5338.0	78			10	128									3
12	4846.3	71			40	132	40S								4
54	6250.7	91				133									3

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

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

LATITUDE: 45°29'N LONGITUDE: 120°43'W ELEVATION: 187
DATE PLANTED: 28/09/87 DATE HARVESTED: 15/07/88
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	5021.6	100													
47	6472.0	128													
46	6327.5	126													
37	6227.7	124													
49	5805.1	115													
62	5765.2	114													
75	5734.4	114													
87	5660.7	112													
51	5659.1	112													
41	5659.1	112													
45	5653.0	112													
38	5586.9	111													
55	5543.9	110													
59	5528.5	110													
48	5513.2	109													
79	5493.2	109													
30	5453.2	108													
99	5419.4	107													
44	5399.5	107													
3	5387.2	107													
101	5322.6	105													
43	5305.7	105													
103	5296.5	105													
58	5296.5	105													
56	5293.4	105													

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

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

LATITUDE: 45°30'N LONGITUDE: 118°26'W ELEVATION: 454
DATE PLANTED: 08/10/87 DATE HARVESTED: 22/07/88
MOISTURE: 406MM TOTAL FERTILIZER: 109N 22S
LOCAL CHECK VARIETY USED IN THIS NURSERY: Stephens

COMMENTS: A visual agronomic score is given in the Miscellaneous column with 1 = best and 5 = poorest.

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	4726.4	100													
81	6430.5	136													2
86	6318.3	133													2
79	5932.6	125													3
83	5898.8	124													2
32	5822.0	123													3
84	5762.1	121													2
4	5629.9	119													3
64	5620.7	118													1
31	5494.7	116													2
90	5462.5	115													3
87	5456.3	115													3
107	5442.5	115													2
33	5350.3	113													2
94	5331.8	112													1
61	5331.8	112													3
69	5318.0	112													3
89	5273.5	111													1
66	5270.4	111													2
67	5221.2	110													2
75	5167.4	109													2
109	5159.8	109													1
62	5147.5	108													2
95	5133.6	108													3
30	5125.9	108													3

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

COUNTRY: ARGENTINA
STATE: BUENOS AIRES
STATION: CRIADERO-A.C.A.
COOPERATORS: R. MIRANDA, A. JUNQUERA, J.C. SALVADOR

LATITUDE: 38°29'S LONGITUDE: 61°59'W ELEVATION: 159M
DATE PLANTED: 23/08/88 DATE HARVESTED: 28/12/88
MOISTURE: 249MM TOTAL FERTILIZER:
LOCAL CHECK VARIETY USED IN THIS NURSERY: COOP-LIQUEN

COMMENTS: We had a very dry growing season. Several lines did not reach reproductive stage. We had 81 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	1731.6	100				323									
23						318									
37						318									
38	1831.5	105				318									
6						319									
79						319									
33						319									
39	1185.5	68				318									
95						320									
3	1538.5	88				320									
98						320									
58						320									
71	1898.1	109				321									
82	1298.7	75				320									
13	1784.9	103				321									
36	1165.5	67				320									
83	1431.9	82				321									
43	1365.3	78				321									
31						321									
45						321									
69	1298.7	75				321									
99						321									
42						321									
47						321									
32						321									

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)
55	500- 7546/11	121-329/15	40-100/ 5	2MR-50S / 5	5R -40X / 4	1R -90S / 4	2-4/ 5	1-8/ 5
29	352- 9979/11	111-316/15	30- 90/ 5	2MR-15MR/ 3	1R - 5MR/ 5	10R -10MR/ 3	3-5/ 4	0-5/ 4
49	323- 7887/11	117-323/16	5-100/ 5	2MR-10MR/ 3	1R -50MS/ 4	1R -10R / 2	1-2/ 4	0-5/ 5
11	352-11262/12	117-323/16	30- 90/ 5	5R -40MS/ 4	1R -50S / 4	1R -10R / 2	2-5/ 4	0-3/ 3
56	470- 7499/11	118-328/15	5-100/ 5	1R - 3S / 3	1R - 1R / 4	5MS-40MR/ 2	3-6/ 4	0-3/ 3
81	472- 6663/11	117-322/16	60-100/ 5	2MR-25S / 5	1R -15R / 4	30MS-80X / 3	1-5/ 4	1-5/ 5
79	424- 7247/ 9	114-319/14	0- 85/ 4	5MS-70S / 4	1R -10R / 3	10R -10S / 3	2-7/ 4	2-5/ 4
71	235- 8413/10	106-321/16	5- 95/ 5	5MR-20S / 3	1R -40S / 4	10R -30MS/ 2	1-7/ 4	3-9/ 5
46	265- 7544/10	117-330/16	5-100/ 5	2MR-15MS/ 3	1R -40S / 7	10R - 5MS/ 2	2-5/ 4	2-9/ 5
94	382- 6663/10	120-323/15	10-100/ 5	5MR-10MR/ 3	1R -60S / 6	40S -80X / 2	1-7/ 4	1-8/ 5
57	411- 8080/11	109-324/14	5-100/ 5	1R -10MS/ 4	1R -40X / 6	25R -20X / 2	1-4/ 4	0-5/ 4
76	388- 8813/10	117-322/14	70-100/ 4	10R -15MR/ 2	5R -60S / 6	20MR-70S / 3	1-4/ 4	1-5/ 3
83	412- 8496/12	109-321/15	0- 60/ 5	5MR-30S / 4	10MR-80S / 4	20MR-50S / 3	2-2/ 2	2-8/ 3
58	412- 8246/11	109-320/16	65-100/ 5	10R -10MR/ 3	2MR-40MS/ 4	10MR-70X / 3	2-4/ 4	1-8/ 5
38	352- 8649/11	114-318/15	0- 95/ 5	5MR-40MS/ 4	1R -90S / 7	5MS-80S / 3	2-7/ 4	3-9/ 5
84	296- 7956/10	117-322/14	40-100/ 5	1R -10R / 3	1R - 5R / 3	20MR-40MS/ 3	1-3/ 4	0-5/ 6
54	411- 6250/10	113-316/15	68-100/ 5	5MR-15R / 2	1R -50S / 5	20MS-40X / 3	1-6/ 4	2-9/ 6
53	364- 7081/10	113-330/16	30-100/ 5	1R -15R / 4	1R -50S / 6	60S -40X / 2	1-3/ 4	3-9/ 5
52	530- 6862/10	109-330/15	40-100/ 5	2MR-80S / 4	1R -80S / 6	60S -40X / 2	2-4/ 3	1-9/ 3
85	342- 7681/10	116-330/16	50-100/ 5	1R -40S / 5	1R -30S / 4	10R -20X / 3	1-4/ 3	0-9/ 5
48	294- 8413/11	116-327/15	0-100/ 5	5R -20S / 3	1R -30MS/ 5	1R -10R / 2	1-2/ 4	0-7/ 5
99	294-10545/11	116-321/16	30-100/ 5	1R -10MR/ 3	2MR-50S / 7	40MR-70S / 3	1-3/ 4	1-8/ 4
107	295- 6579/10	117-329/16	50-100/ 5	15R -15MR/ 3	1R - 5R / 4	30MS-80X / 3	2-4/ 3	2-9/ 5
47	294- 6471/10	109-321/16	5-100/ 5	5R -15MR/ 2	1R -50S / 4	1R -10R / 2	2-3/ 4	2-9/ 5
98	270- 6663/10	109-320/16	5- 60/ 5	2MR-25MS/ 3	1R -30MS/ 5	30MR-50S / 3	1-3/ 3	0-5/ 4
28	294- 9995/11	117-329/16	10-100/ 5	2MR-50S / 5	1R -90X / 5	10R -10MR/ 2	1-3/ 3	1-8/ 5

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)
33	114- 5971/10	103-319/14	0- 95/ 5	10MR-35MR/ 4	1R -40S / 4	5S -60S / 2	3-4/ 3	2-3/ 3
23	264- 7198/10	106-318/16	75- 90/ 5	1R -80S / 6	1R - 5R / 3	90S -90S / 2	3-4/ 3	1-9/ 4
95	294- 6239/10	103-320/16	10- 95/ 5	20R -70S / 3	15MR-70X / 4	20MS-80S / 3	2-8/ 3	1-2/ 3
82	482- 6541/12	106-320/16	5- 65/ 5	15R -50S / 4	5R -40S / 5	10R -50S / 3	1-3/ 3	1-7/ 4
3	288- 5914/11	101-320/15	0- 60/ 4	10MR-40MS/ 6	20MR-70S / 5	10MR-70S / 3	2-7/ 3	3-7/ 4
79	424- 7247/ 9	114-319/14	0- 85/ 4	5MS-70S / 4	1R -10R / 3	10R -10S / 3	2-7/ 4	2-5/ 4
6	176- 6480/11	106-319/16	5- 95/ 5	1R -99S / 5	1R -15S / 6	5MS- 5MS/ 2	1-4/ 4	3-8/ 5
58	412- 8246/11	109-320/16	65-100/ 5	10R -10MR/ 3	2MR-40MS/ 4	10MR-70X / 3	2-4/ 4	1-8/ 5
42	235- 8188/10	109-321/16	5- 90/ 5	1R -20R / 3	1R -20MS/ 4	70S -30X / 3	2-5/ 4	0-9/ 5
7	441- 9846/11	106-327/16	10- 95/ 5	1R -80S / 5	1R -60S / 5	10R -40X / 2	1-4/ 3	1-9/ 5
37	353- 7784/10	114-318/15	0- 90/ 5	20R -25MS/ 3	1R -90S / 7	20MR-80S / 2	1-7/ 4	2-9/ 5
4	426- 7746/11	109-317/15	71-100/ 5	3S -99S / 7	5R -50S / 4	10MS-80S / 4	3-8/ 4	3-8/ 6
98	270- 6663/10	109-320/16	5- 60/ 5	2MR-25MS/ 3	1R -30MS/ 5	30MR-50S / 3	1-3/ 3	0-5/ 4
39	282- 6433/11	111-318/15	30-100/ 5	2MR-20MS/ 6	1R -50S / 5	70S -20X / 3	2-3/ 4	1-9/ 6
43	236- 7229/11	103-321/16	10- 80/ 5	1R - 4S / 5	1R -15MS/ 4	70S -30X / 3	2-4/ 4	1-9/ 6
47	294- 6471/10	109-321/16	5-100/ 5	5R -15MR/ 2	1R -50S / 4	1R -10R / 2	2-3/ 4	2-9/ 5
69	352- 7080/12	117-321/16	5-100/ 5	5MR-60X / 3	1R -50S / 4	5MR-60X / 2	2-3/ 4	1-5/ 5
83	412- 8496/12	109-321/15	0- 60/ 5	5MR-30S / 4	10MR-80S / 4	20MR-50S / 3	2-2/ 2	2-8/ 3
91	441- 8163/10	109-321/16	35- 95/ 5	2MR-80S / 5	5R -20MR/ 3	10R -10M / 2	2-3/ 3	0-8/ 5
13	441- 6414/11	106-321/16	0- 80/ 5	10R -90S / 6	1R -80S / 5	5R -50X / 3	2-5/ 4	2-5/ 4
65	282- 7663/10	103-323/14	0-100/ 4	25R -40S / 4	1R -20MS/ 3	1R -10R / 3	2-4/ 4	4-5/ 2
12	423- 6497/11	111-322/16	0- 95/ 5	20R -40S / 6	1R -40MS/ 5	50MS-10X / 3	1-5/ 4	0-4/ 3
101	264- 6247/11	111-323/16	10- 80/ 5	2MR-99S / 7	20R -99S / 5	80MR-80S / 3	2-3/ 3	3-9/ 5
45	206- 8996/10	103-321/14	0- 95/ 5	30R -25MS/ 2	1R -70S / 3	70S -30X / 3	1-3/ 3	3-6/ 3
38	352- 8649/11	114-318/15	0- 95/ 5	5MR-40MS/ 4	1R -90S / 7	5MS-80S / 3	2-7/ 4	3-9/ 5
32	529- 5822/10	111-321/15	0- 98/ 5	20R -50S / 6	1R -40S / 5	30MR-40X / 3	1-3/ 3	1-8/ 4
36	529- 9162/12	111-320/15	0- 85/ 5	20R -20MR/ 2	1R -60X / 5	1R -70X / 2	1-7/ 4	0-9/ 4

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)
25	295- 5096/10	119-325/15	80-100/ 5	1R -25MS/ 5	1R -50S / 6	50MS-90S / 4	1-4/ 4	0-9/ 6
77	565- 6262/10	123-330/13	70-100/ 5	2MR-80S / 4	1R -50S / 5	20R -50S / 3	1-2/ 4	1-9/ 6
75	435- 5734/10	119-323/14	80-100/ 5	2MR-30S / 5	5R -50S / 6	20MR-50S / 2	2-5/ 3	0-6/ 5
76	388- 8813/10	117-322/14	70-100/ 4	10R -15MR/ 2	5R -60S / 6	20MR-70S / 3	1-4/ 4	1-5/ 3
67	294- 6913/10	121-330/13	80-100/ 5	5R -40S / 4	1R -50S / 6	5R -10MR/ 2	1-5/ 4	1-9/ 5
4	426- 7746/11	109-317/15	71-100/ 5	3S -99S / 7	5R -50S / 4	10MS-80S / 4	3-8/ 4	3-8/ 6
22	294- 6230/10	121-330/13	75-100/ 5	1R -40S / 5	1R -80S / 6	20MR-99S / 4	1-2/ 4	0-8/ 5
10	352-10595/11	117-322/15	70-100/ 5	2MR-70S / 6	1R -60S / 5	40MR-60S / 3	2-7/ 3	1-5/ 5
90	353- 5462/10	113-324/15	75-100/ 5	1R -40MS/ 4	1R - 5MR/ 5	1R -40X / 3	2-6/ 5	1-9/ 6
1	388- 9712/11	116-323/15	60-100/ 5	5MS-80S / 9	2MR-99S / 7	30S -99S / 3	2-3/ 3	1-6/ 5
78	482- 7480/11	121-326/15	40-100/ 5	10R -20MS/ 5	1R -60X / 6	1R - 5S / 2	1-3/ 3	1-7/ 4
81	472- 6663/11	117-322/16	60-100/ 5	2MR-25S / 5	1R -15R / 4	30MS-80X / 3	1-5/ 4	1-5/ 5
55	500- 7546/11	121-329/15	40-100/ 5	2MR-50S / 5	5R -40X / 4	1R -90S / 4	2-4/ 5	1-8/ 5
88	470- 5067/10	121-323/14	60-100/ 5	10R - 3S / 3	1R -40MS/ 3	50S -80S / 3	1-4/ 4	1-8/ 6
54	411- 6250/10	113-316/15	68-100/ 5	5MR-15R / 2	1R -50S / 5	20MS-40X / 3	1-6/ 4	2-9/ 6
74	294- 6164/10	109-327/16	60-100/ 5	10R -80S / 3	1R -40S / 7	10R -10X / 2	1-3/ 3	0-9/ 5
110	235- 6084/ 9	117-323/16	40-100/ 5	1R -40S / 5	1R -20R / 4	10R -20X / 2	3-4/ 4	1-5/ 6
109	441- 6742/10	121-323/15	40-100/ 5	2MR-10MR/ 3	5R -40X / 4	40S -90X / 3	1-3/ 4	0-3/ 5
58	412- 8246/11	109-320/16	65-100/ 5	10R -10MR/ 3	2MR-40MS/ 4	10MR-70X / 3	2-4/ 4	1-8/ 5
99	294-10545/11	116-321/16	30-100/ 5	1R -10MR/ 3	2MR-50S / 7	40MR-70S / 3	1-3/ 4	1-8/ 4
85	342- 7681/10	116-330/16	50-100/ 5	1R -40S / 5	1R -30S / 4	10R -20X / 3	1-4/ 3	0-9/ 5
96	295- 6582/10	117-328/16	10-100/ 5	2MR-30S / 4	1R -50X / 4	10R -80S / 3	3-4/ 3	2-8/ 4
19	264- 5661/10	121-330/14	50-100/ 5	2MR-25S / 5	1R -20MR/ 4	20R -20R / 2	1-6/ 4	1-8/ 6
66	294- 6580/11	111-328/16	30-100/ 5	2MR-60S / 4	1R - 5MR/ 3	1R -10R / 3	1-5/ 5	0-9/ 6
18	206- 6765/10	120-330/14	40-100/ 5	1R -60S / 5	1R -10MR/ 5	1R -10X / 3	1-5/ 5	1-8/ 6
17	329- 5383/11	120-329/16	30-100/ 5	15MS-80S / 8	1R -50S / 6	10MS-60X / 3	1-3/ 3	1-8/ 4
52	530- 6862/10	109-330/15	40-100/ 5	2MR-80S / 4	1R -80S / 6	60S -40X / 2	2-4/ 3	1-9/ 3

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)
84	296- 7956/10	117-322/14	40-100/ 5	1R -10R / 3	1R - 5R / 3	20MR-40MS/ 3	1-3/ 4	0-5/ 6
41	305- 6399/11	111-321/15	5-100/ 5	1R -10R / 4	1R -10MS/ 4	10M -70S / 4	2-4/ 4	0-9/ 6
89	383- 6997/11	121-325/14	40-100/ 5	1R -10R / 4	5R -50X / 5	15R -40MS/ 2	1-2/ 4	1-9/ 5
57	411- 8080/11	109-324/14	5-100/ 5	1R -10MS/ 4	1R -40X / 6	25R -20X / 2	1-4/ 4	0-5/ 4
30	282- 6169/11	117-322/15	10-100/ 5	2MR-40S / 6	1R -90S / 7	10MR-30X / 3	2-4/ 4	2-9/ 6
15	235- 8130/11	120-324/13	5-100/ 5	2MR-10S / 4	1R - 1R / 3	5R - 5MR/ 3	3-4/ 4	0-3/ 3
70	441- 6851/11	123-330/14	10- 95/ 5	10R -30S / 5	1R -70X / 4	50S -70S / 3	1-3/ 4	2-9/ 6
35	517- 7047/11	109-330/15	0-100/ 5	5R -40S / 4	1R -60X / 4	20M -70X / 2	1-4/ 4	2-9/ 5
86	282- 6318/10	106-329/16	40-100/ 5	2MR-40S / 4	1R -20S / 4	50S -20X / 3	1-3/ 4	1-9/ 5
109	441- 6742/10	121-323/15	40-100/ 5	2MR-10MR/ 3	5R -40X / 4	40S -90X / 3	1-3/ 4	0-3/ 5
48	294- 8413/11	116-327/15	0-100/ 5	5R -20S / 3	1R -30MS/ 5	1R -10R / 2	1-2/ 4	0-7/ 5
55	500- 7546/11	121-329/15	40-100/ 5	2MR-50S / 5	5R -40X / 4	1R -90S / 4	2-4/ 5	1-8/ 5
53	364- 7081/10	113-330/16	30-100/ 5	1R -15R / 4	1R -50S / 6	60S -40X / 2	1-3/ 4	3-9/ 5
66	294- 6580/11	111-328/16	30-100/ 5	2MR-60S / 4	1R - 5MR/ 3	1R -10R / 3	1-5/ 5	0-9/ 6
43	236- 7229/11	103-321/16	10- 80/ 5	1R - 4S / 5	1R -15MS/ 4	70S -30X / 3	2-4/ 4	1-9/ 6
22	294- 6230/10	121-330/13	75-100/ 5	1R -40S / 5	1R -80S / 6	20MR-99S / 4	1-2/ 4	0-8/ 5
56	470- 7499/11	118-328/15	5-100/ 5	1R - 3S / 3	1R - 1R / 4	5MS-40MR/ 2	3-6/ 4	0-3/ 3
7	441- 9846/11	106-327/16	10- 95/ 5	1R -80S / 5	1R -60S / 5	10R -40X / 2	1-4/ 3	1-9/ 5
25	295- 5096/10	119-325/15	80-100/ 5	1R -25MS/ 5	1R -50S / 6	50MS-90S / 4	1-4/ 4	0-9/ 6
42	235- 8188/10	109-321/16	5- 90/ 5	1R -20R / 3	1R -20MS/ 4	70S -30X / 3	2-5/ 4	0-9/ 5
90	353- 5462/10	113-324/15	75-100/ 5	1R -40MS/ 4	1R - 5MR/ 5	1R -40X / 3	2-6/ 5	1-9/ 6
102	401- 5545/10	117-324/15	10-100/ 5	1R -80S / 4	1R -10MR/ 4	5MR-40S / 3	3-4/ 4	2-9/ 6
64	341- 5914/11	117-323/16	5- 95/ 5	2MR-10S / 4	1R -80X / 5	10R -10MR/ 2	1-5/ 4	0-3/ 3
49	323- 7887/11	117-323/16	5-100/ 5	2MR-10MR/ 3	1R -50MS/ 4	1R -10R / 2	1-2/ 4	0-5/ 5
2	235- 8863/11	121-325/15	60-100/ 5	2MR-70S / 7	1R -60MS/ 4	10MS-70S / 4	3-3/ 3	1-8/ 4

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)
56	470- 7499/11	118-328/15	5-100/ 5	1R - 3S / 3	1R - 1R / 4	5MS-40MR/ 2	3-6/ 4	0-3/ 3
24	323- 6098/10	117-324/16	30- 85/ 5	2MR-25MR/ 4	1R - 1R / 3	15R -30X / 3	2-4/ 3	2-8/ 5
93	305- 6699/ 9	121-324/14	10-100/ 5	20R -15MS/ 2	1R - 1R / 3	10R -50S / 3	1-7/ 4	0-3/ 4
15	235- 8130/11	120-324/13	5-100/ 5	2MR-10S / 4	1R - 1R / 3	5R - 5MR/ 3	3-4/ 4	0-3/ 3
66	294- 6580/11	111-328/16	30-100/ 5	2MR-60S / 4	1R - 5MR/ 3	1R -10R / 3	1-5/ 5	0-9/ 6
18	206- 6765/10	120-330/14	40-100/ 5	1R -60S / 5	1R -10MR/ 5	1R -10X / 3	1-5/ 5	1-8/ 6
48	294- 8413/11	116-327/15	0-100/ 5	5R -20S / 3	1R -30MS/ 5	1R -10R / 2	1-2/ 4	0-7/ 5
65	282- 7663/10	103-323/14	0-100/ 4	25R -40S / 4	1R -20MS/ 3	1R -10R / 3	2-4/ 4	4-5/ 2
47	294- 6471/10	109-321/16	5-100/ 5	5R -15MR/ 2	1R -50S / 4	1R -10R / 2	2-3/ 4	2-9/ 5
67	294- 6913/10	121-330/13	80-100/ 5	5R -40S / 4	1R -50S / 6	5R -10MR/ 2	1-5/ 4	1-9/ 5
39	282- 6433/11	111-318/15	30-100/ 5	2MR-20MS/ 6	1R -50S / 5	70S -20X / 3	2-3/ 4	1-9/ 6
41	305- 6399/11	111-321/15	5-100/ 5	1R -10R / 4	1R -10MS/ 4	10M -70S / 4	2-4/ 4	0-9/ 6
33	114- 5971/10	103-319/14	0- 95/ 5	10MR-35MR/ 4	1R -40S / 4	5S -60S / 2	3-4/ 3	2-3/ 3
9	295- 4828/10	117-323/14	50-100/ 4	10R -40S / 3	1R -60S / 4	5MS-60X / 4	1-4/ 4	1-3/ 3
21	282- 6080/11	119-325/15	5- 90/ 5	2MR-70S / 5	1R -60S / 5	15R -10MR/ 2	1-5/ 4	1-8/ 5
43	236- 7229/11	103-321/16	10- 80/ 5	1R - 4S / 5	1R -15MS/ 4	70S -30X / 3	2-4/ 4	1-9/ 6
50	295- 6423/10	117-327/16	5-100/ 5	2MR-30MS/ 5	1R -10MS/ 3	10R -60S / 3	3-4/ 4	2-8/ 4
17	329- 5383/11	120-329/16	30-100/ 5	15MS-80S / 8	1R -50S / 6	10MS-60X / 3	1-3/ 3	1-8/ 4
111	352- 6164/10	117-327/16	40- 98/ 5	2MR-60S / 6	1R -20MR/ 5	10R -30MS/ 2	3-5/ 4	1-8/ 6
90	353- 5462/10	113-324/15	75-100/ 5	1R -40MS/ 4	1R - 5MR/ 5	1R -40X / 3	2-6/ 5	1-9/ 6
42	235- 8188/10	109-321/16	5- 90/ 5	1R -20R / 3	1R -20MS/ 4	70S -30X / 3	2-5/ 4	0-9/ 5
53	364- 7081/10	113-330/16	30-100/ 5	1R -15R / 4	1R -50S / 6	60S -40X / 2	1-3/ 4	3-9/ 5
102	401- 5545/10	117-324/15	10-100/ 5	1R -80S / 4	1R -10MR/ 4	5MR-40S / 3	3-4/ 4	2-9/ 6
61	282- 5997/10	117-323/14	30-100/ 5	2MR-70S / 7	1R -60S / 6	1R -80S / 5	1-3/ 4	1-8/ 5
27	295- 6210/ 9	117-322/13	0- 75/ 4	10MR-20MS/ 4	1R -30MS/ 4	10R -10MR/ 3	2-2/ 2	1-9/ 3

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)
112	352- 6017/10	111-325/16	40- 95/ 5	2MR-80S / 4	1R -10R / 5	1R - 5R / 2	3-5/ 3	0-9/ 4
66	294- 6580/11	111-328/16	30-100/ 5	2MR-60S / 4	1R - 5MR/ 3	1R -10R / 3	1-5/ 5	0-9/ 6
48	294- 8413/11	116-327/15	0-100/ 5	5R -20S / 3	1R -30MS/ 5	1R -10R / 2	1-2/ 4	0-7/ 5
47	294- 6471/10	109-321/16	5-100/ 5	5R -15MR/ 2	1R -50S / 4	1R -10R / 2	2-3/ 4	2-9/ 5
11	352-11262/12	117-323/16	30- 90/ 5	5R -40MS/ 4	1R -50S / 4	1R -10R / 2	2-5/ 4	0-3/ 3
15	235- 8130/11	120-324/13	5-100/ 5	2MR-10S / 4	1R - 1R / 3	5R - 5MR/ 3	3-4/ 4	0-3/ 3
49	323- 7887/11	117-323/16	5-100/ 5	2MR-10MR/ 3	1R -50MS/ 4	1R -10R / 2	1-2/ 4	0-5/ 5
65	282- 7663/10	103-323/14	0-100/ 4	25R -40S / 4	1R -20MS/ 3	1R -10R / 3	2-4/ 4	4-5/ 2
29	352- 9979/11	111-316/15	30- 90/ 5	2MR-15MR/ 3	1R - 5MR/ 5	10R -10MR/ 3	3-5/ 4	0-5/ 4
27	295- 6210/ 9	117-322/13	0- 75/ 4	10MR-20MS/ 4	1R -30MS/ 4	10R -10MR/ 3	2-2/ 2	1-9/ 3
67	294- 6913/10	121-330/13	80-100/ 5	5R -40S / 4	1R -50S / 6	5R -10MR/ 2	1-5/ 4	1-9/ 5
46	265- 7544/10	117-330/16	5-100/ 5	2MR-15MS/ 3	1R -40S / 7	10R - 5MS/ 2	2-5/ 4	2-9/ 5
6	176- 6480/11	106-319/16	5- 95/ 5	1R -99S / 5	1R -15S / 6	5MS- 5MS/ 2	1-4/ 4	3-8/ 5
64	341- 5914/11	117-323/16	5- 95/ 5	2MR-10S / 4	1R -80X / 5	10R -10MR/ 2	1-5/ 4	0-3/ 3
28	294- 9995/11	117-329/16	10-100/ 5	2MR-50S / 5	1R -90X / 5	10R -10MR/ 2	1-3/ 3	1-8/ 5
78	482- 7480/11	121-326/15	40-100/ 5	10R -20MS/ 5	1R -60X / 6	1R - 5S / 2	1-3/ 3	1-7/ 4
79	424- 7247/ 9	114-319/14	0- 85/ 4	5MS-70S / 4	1R -10R / 3	10R -10S / 3	2-7/ 4	2-5/ 4
44	353- 8206/10	117-329/16	30- 80/ 5	1R -20R / 4	1R -60MS/ 4	10R -10M / 2	2-4/ 4	2-8/ 6
91	441- 8163/10	109-321/16	35- 95/ 5	2MR-80S / 5	5R -20MR/ 3	10R -10M / 2	2-3/ 3	0-8/ 5
97	294- 6401/10	109-330/16	10-100/ 5	20R -30S / 3	1R - 5R / 4	10R -10S / 2	2-4/ 4	0-5/ 4
34	471- 7663/11	120-328/15	0- 98/ 5	30R -20MR/ 2	1R -50S / 7	1R -10MS/ 3	3-6/ 3	1-2/ 2
71	235- 8413/10	106-321/16	5- 95/ 5	5MR-20S / 3	1R -40S / 4	10R -30MS/ 2	1-7/ 4	3-9/ 5
21	282- 6080/11	119-325/15	5- 90/ 5	2MR-70S / 5	1R -60S / 5	15R -10MR/ 2	1-5/ 4	1-8/ 5
93	305- 6699/ 9	121-324/14	10-100/ 5	20R -15MS/ 2	1R - 1R / 3	10R -50S / 3	1-7/ 4	0-3/ 4
111	352- 6164/10	117-327/16	40- 98/ 5	2MR-60S / 6	1R -20MR/ 5	10R -30MS/ 2	3-5/ 4	1-8/ 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)
87	294-10195/11	120-323/15	55-100/ 5	2MR-25MS/ 4	5R -60MS/ 5	20MR-80S / 3	1-2/ 3	0-8/ 5
77	565- 6262/10	123-330/13	70-100/ 5	2MR-80S / 4	1R -50S / 5	20R -50S / 3	1-2/ 4	1-9/ 6
48	294- 8413/11	116-327/15	0-100/ 5	5R -20S / 3	1R -30MS/ 5	1R -10R / 2	1-2/ 4	0-7/ 5
22	294- 6230/10	121-330/13	75-100/ 5	1R -40S / 5	1R -80S / 6	20MR-99S / 4	1-2/ 4	0-8/ 5
49	323- 7887/11	117-323/16	5-100/ 5	2MR-10MR/ 3	1R -50MS/ 4	1R -10R / 2	1-2/ 4	0-5/ 5
89	383- 6997/11	121-325/14	40-100/ 5	1R -10R / 4	5R -50X / 5	15R -40MS/ 2	1-2/ 4	1-9/ 5
51	352- 5978/10	121-329/16	30-100/ 5	20R -80S / 6	1R -99S / 7	70S -30X / 2	0-2/ 3	3-9/ 4
59	294- 6247/10	109-316/15	40-100/ 5	1R -25MS/ 5	1R -40X / 6	50S -60X / 3	1-2/ 3	2-8/ 5
109	441- 6742/10	121-323/15	40-100/ 5	2MR-10MR/ 3	5R -40X / 4	40S -90X / 3	1-3/ 4	0-3/ 5
99	294-10545/11	116-321/16	30-100/ 5	1R -10MR/ 3	2MR-50S / 7	40MR-70S / 3	1-3/ 4	1-8/ 4
27	295- 6210/ 9	117-322/13	0- 75/ 4	10MR-20MS/ 4	1R -30MS/ 4	10R -10MR/ 3	2-2/ 2	1-9/ 3
83	412- 8496/12	109-321/15	0- 60/ 5	5MR-30S / 4	10MR-80S / 4	20MR-50S / 3	2-2/ 2	2-8/ 3
25	295- 5096/10	119-325/15	80-100/ 5	1R -25MS/ 5	1R -50S / 6	50MS-90S / 4	1-4/ 4	0-9/ 6
61	282- 5997/10	117-323/14	30-100/ 5	2MR-70S / 7	1R -60S / 6	1R -80S / 5	1-3/ 4	1-8/ 5
84	296- 7956/10	117-322/14	40-100/ 5	1R -10R / 3	1R - 5R / 3	20MR-40MS/ 3	1-3/ 4	0-5/ 6
86	282- 6318/10	106-329/16	40-100/ 5	2MR-40S / 4	1R -20S / 4	50S -20X / 3	1-3/ 4	1-9/ 5
12	423- 6497/11	111-322/16	0- 95/ 5	20R -40S / 6	1R -40MS/ 5	50MS-10X / 3	1-5/ 4	0-4/ 3
45	206- 8996/10	103-321/14	0- 95/ 5	30R -25MS/ 2	1R -70S / 3	70S -30X / 3	1-3/ 3	3-6/ 3
65	282- 7663/10	103-323/14	0-100/ 4	25R -40S / 4	1R -20MS/ 3	1R -10R / 3	2-4/ 4	4-5/ 2
28	294- 9995/11	117-329/16	10-100/ 5	2MR-50S / 5	1R -90X / 5	10R -10MR/ 2	1-3/ 3	1-8/ 5
53	364- 7081/10	113-330/16	30-100/ 5	1R -15R / 4	1R -50S / 6	60S -40X / 2	1-3/ 4	3-9/ 5
108	324- 6584/10	117-324/16	5-100/ 5	1R -70S / 6	1R -60S / 4	20MR-50S / 3	1-4/ 3	3-9/ 6
6	176- 6480/11	106-319/16	5- 95/ 5	1R -99S / 5	1R -15S / 6	5MS- 5MS/ 2	1-4/ 4	3-8/ 5
74	294- 6164/10	109-327/16	60-100/ 5	10R -80S / 3	1R -40S / 7	10R -10X / 2	1-3/ 3	0-9/ 5
32	529- 5822/10	111-321/15	0- 98/ 5	20R -50S / 6	1R -40S / 5	30MR-40X / 3	1-3/ 3	1-8/ 4
82	482- 6541/12	106-320/16	5- 65/ 5	15R -50S / 4	5R -40S / 5	10R -50S / 3	1-3/ 3	1-7/ 4

TABLE 11. Entries Selected for their Response to Erysiphe Graminis Tritici (Powdery Mildew) 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)
109	441- 6742/10	121-323/15	40-100/ 5	2MR-10MR/ 3	5R -40X / 4	40S -90X / 3	1-3/ 4	0-3/ 5
84	296- 7956/10	117-322/14	40-100/ 5	1R -10R / 3	1R - 5R / 3	20MR-40MS/ 3	1-3/ 4	0-5/ 6
49	323- 7887/11	117-323/16	5-100/ 5	2MR-10MR/ 3	1R -50MS/ 4	1R -10R / 2	1-2/ 4	0-5/ 5
87	294-10195/11	120-323/15	55-100/ 5	2MR-25MS/ 4	5R -60MS/ 5	20MR-80S / 3	1-2/ 3	0-8/ 5
93	305- 6699/ 9	121-324/14	10-100/ 5	20R -15MS/ 2	1R - 1R / 3	10R -50S / 3	1-7/ 4	0-3/ 4
75	435- 5734/10	119-323/14	80-100/ 5	2MR-30S / 5	5R -50S / 6	20MR-50S / 2	2-5/ 3	0-6/ 5
92	518- 7744/10	120-329/16	25-100/ 5	2MR-20MS/ 3	5R -20S / 4	50M -80X / 3	1-7/ 3	0-8/ 5
104	529- 8246/11	111-323/16	5- 88/ 5	20R -80S / 5	1R -20MR/ 3	25MR-60X / 3	1-4/ 4	1-8/ 4
8	399- 4939/10	115-324/14	10- 95/ 4	10R -15MR/ 3	1R -10MR/ 3	10R -20X / 3	3-4/ 3	1-1/ 2
64	341- 5914/11	117-323/16	5- 95/ 5	2MR-10S / 4	1R -80X / 5	10R -10MR/ 2	1-5/ 4	0-3/ 3
48	294- 8413/11	116-327/15	0-100/ 5	5R -20S / 3	1R -30MS/ 5	1R -10R / 2	1-2/ 4	0-7/ 5
95	294- 6239/10	103-320/16	10- 95/ 5	20R -70S / 3	15MR-70X / 4	20MS-80S / 3	2-8/ 3	1-2/ 3
33	114- 5971/10	103-319/14	0- 95/ 5	10MR-35MR/ 4	1R -40S / 4	5S -60S / 2	3-4/ 3	2-3/ 3
25	295- 5096/10	119-325/15	80-100/ 5	1R -25MS/ 5	1R -50S / 6	50MS-90S / 4	1-4/ 4	0-9/ 6
111	352- 6164/10	117-327/16	40- 98/ 5	2MR-60S / 6	1R -20MR/ 5	10R -30MS/ 2	3-5/ 4	1-8/ 6
98	270- 6663/10	109-320/16	5- 60/ 5	2MR-25MS/ 3	1R -30MS/ 5	30MR-50S / 3	1-3/ 3	0-5/ 4
15	235- 8130/11	120-324/13	5-100/ 5	2MR-10S / 4	1R - 1R / 3	5R - 5MR/ 3	3-4/ 4	0-3/ 3
11	352-11262/12	117-323/16	30- 90/ 5	5R -40MS/ 4	1R -50S / 4	1R -10R / 2	2-5/ 4	0-3/ 3
31	458- 5494/10	117-321/15	0-100/ 5	1R -40S / 5	1R -50X / 5	10R -30X / 3	1-6/ 3	1-8/ 3
26	265- 4686/10	120-330/14	70-100/ 5	2MR-70S / 6	1R -30X / 5	20MR-80X / 3	1-5/ 3	1-8/ 5
57	411- 8080/11	109-324/14	5-100/ 5	1R -10MS/ 4	1R -40X / 6	25R -20X / 2	1-4/ 4	0-5/ 4
69	352- 7080/12	117-321/16	5-100/ 5	5MR-60X / 3	1R -50S / 4	5MR-60X / 2	2-3/ 4	1-5/ 5
94	382- 6663/10	120-323/15	10-100/ 5	5MR-10MR/ 3	1R -60S / 6	40S -80X / 2	1-7/ 4	1-8/ 5
88	470- 5067/10	121-323/14	60-100/ 5	10R - 3S / 3	1R -40MS/ 3	50S -80S / 3	1-4/ 4	1-8/ 6
22	294- 6230/10	121-330/13	75-100/ 5	1R -40S / 5	1R -80S / 6	20MR-99S / 4	1-2/ 4	0-8/ 5
85	342- 7681/10	116-330/16	50-100/ 5	1R -40S / 5	1R -30S / 4	10R -20X / 3	1-4/ 3	0-9/ 5

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)
3	1538- 5387/ 5	101-320/ 7	60- 60/ 1	25R -25MS/ 2	20MR-70S / 3	60S -70S / 2	- / 0	6-6/ 1
58	2580- 8246/ 5	109-320/ 8	80- 90/ 2	10R -10R / 1	5R -10R / 2	10MR-70X / 2	3-3/ 1	1-8/ 2
82	1085- 5197/ 6	106-320/ 8	15- 60/ 2	15R - 5S / 2	5R - 5MR/ 3	10R -50S / 2	1-1/ 1	1-6/ 2
79	2000- 5493/ 3	114-319/ 7	60- 60/ 1	5MS-30MR/ 2	1R -10R / 2	10R -10MR/ 2	3-3/ 1	3-5/ 2
47	1970- 6471/ 4	109-321/ 8	35- 60/ 2	5R - 5R / 1	1R -50S / 2	10R -10R / 1	3-3/ 1	3-3/ 1
14	1178- 6547/ 6	116-321/ 8	80- 85/ 2	10R - 5MS/ 2	1R -50S / 3	1R -70S / 2	5-5/ 1	3-7/ 2
43	1365- 5305/ 5	103-321/ 8	45- 60/ 2	1MS-10R / 2	1R -15MS/ 3	70S -90S / 2	3-3/ 1	1-9/ 2
6	1050- 6480/ 5	106-319/ 8	40- 60/ 2	1R -10MS/ 2	1R -15S / 3	5MS- 5MS/ 1	1-2/ 2	3-8/ 2
42	2175- 5288/ 4	109-321/ 8	50- 60/ 2	5MR-20R / 2	1R -20MS/ 3	70S -80S / 2	3-3/ 1	0-9/ 2
81	1798- 5287/ 5	117-322/ 8	85- 95/ 2	5M -20R / 2	1R -15R / 3	50S -80X / 2	1-1/ 1	1-5/ 2
49	1866- 7413/ 5	117-323/ 8	25- 60/ 2	10R -10R / 1	1R -50MS/ 3	10R -10R / 1	1-1/ 1	0-5/ 2
98	3400- 4605/ 4	109-320/ 8	5- 60/ 2	15R -15R / 1	5R -30MS/ 3	30MR-50S / 2	1-1/ 1	0-5/ 2
48	1195- 6030/ 5	116-327/ 8	10- 60/ 2	5R - 5R / 1	1R -30MS/ 3	10R -10R / 1	1-1/ 1	0-0/ 1
29	2075- 9979/ 5	111-316/ 7	80- 90/ 2	20R -20R / 1	1R - 5MR/ 3	10R -10MR/ 2	3-3/ 1	0-3/ 2
95	1110- 5078/ 4	103-320/ 8	45- 60/ 2	20R -20R / 1	15MR-70X / 3	50S -80S / 2	3-3/ 1	1-1/ 1
13	1245- 3892/ 5	106-321/ 8	40- 60/ 2	10R -25S / 2	1R - 1R / 3	5R -70S / 2	3-3/ 1	3-5/ 2
23	2000- 4993/ 4	106-318/ 8	80- 90/ 2	20R -25MS/ 2	1R - 5R / 2	90S -90S / 1	3-3/ 1	1-9/ 2
71	1898- 4838/ 4	106-321/ 8	5- 80/ 2	30R -30R / 1	1R -15R / 2	10R -10R / 1	1-1/ 1	3-9/ 2
39	1185- 5248/ 5	111-318/ 8	50- 60/ 2	25R -10MS/ 2	1R -50S / 4	70S -80S / 2	3-3/ 1	1-9/ 2
11	1465-11262/ 6	117-323/ 8	60- 80/ 2	5R -25S / 2	1R -50S / 3	10R -10R / 1	3-3/ 1	0-3/ 2
91	550- 5127/ 4	109-321/ 8	35- 60/ 2	15R -15R / 1	5R -10R / 2	10R -10R / 1	3-3/ 1	0-8/ 2
99	2115-10545/ 5	116-321/ 8	80- 95/ 2	15R -15R / 1	5R -50S / 4	40MR-50S / 2	1-1/ 1	3-8/ 2
37	1514- 6227/ 4	114-318/ 8	30- 60/ 2	20R -25MS/ 2	1R -90S / 4	80S -80S / 1	1-1/ 1	3-9/ 2
33	475- 4741/ 4	103-319/ 7	5- 60/ 2	35MR-35MR/ 1	5MS-20MR/ 2	60S -60S / 1	- / 0	- / 0
36	1165- 9162/ 6	111-320/ 8	10- 60/ 2	20R -20R / 1	1R -50S / 3	70X -70X / 1	1-1/ 1	0-9/ 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)
69	3774- 7080/ 3	125-170/ 3	- / 0	5MR- 5MR/ 1	- / 0	5MR- 5MR/ 1	2-3/ 3	2-3/ 2
90	4995- 5462/ 3	126-170/ 3	- / 0	10MR-10MR/ 1	- / 0	1R - 1R / 1	2-6/ 3	1-3/ 2
49	4701- 6997/ 3	130-170/ 3	- / 0	10MR-10MR/ 1	- / 0	1R - 1R / 1	1-2/ 3	1-3/ 2
79	4440- 7247/ 3	125-170/ 3	- / 0	25MS-25MS/ 1	- / 0	10S -10S / 1	2-7/ 3	2-2/ 1
86	5106- 6318/ 3	127-170/ 3	- / 0	5MR- 5MR/ 1	- / 0	20X -20X / 1	1-2/ 3	1-3/ 2
85	4901- 6164/ 3	127-170/ 3	- / 0	15MS-15MS/ 1	30S -30S / 1	20X -20X / 1	1-4/ 2	2-2/ 1
83	5661- 8496/ 3	124-170/ 3	- / 0	20MS-20MS/ 1	40S -40S / 1	40S -40S / 1	2-2/ 2	2-2/ 1
89	3496- 6997/ 3	129-129/ 2	- / 0	5MR- 5MR/ 1	50X -50X / 1	40MS-40MS/ 1	1-2/ 3	1-3/ 2
48	4606- 8413/ 3	130-170/ 3	- / 0	10MR-10MR/ 1	1R - 1R / 1	1R - 1R / 1	1-2/ 3	1-3/ 2
66	1665- 6580/ 3	127-170/ 3	- / 0	10MR-60S / 2	- / 0	1R - 1R / 1	1-5/ 3	2-3/ 2
94	5331- 6663/ 3	130-170/ 3	- / 0	10MR-10MR/ 1	60S -60S / 1	40S -40S / 1	1-7/ 3	1-1/ 1
55	5009- 6663/ 3	126-170/ 3	- / 0	10MR-10MR/ 1	- / 0	10MR-10MR/ 1	2-4/ 3	3-4/ 2
84	4440- 5762/ 3	129-131/ 2	- / 0	1R - 1R / 1	- / 0	40M -40M / 1	1-2/ 3	1-3/ 2
65	2275- 6663/ 3	125-170/ 3	- / 0	25MS-25MS/ 1	1R - 1R / 1	5MR- 5MR/ 1	2-4/ 3	4-4/ 1
28	4081- 5439/ 3	127-170/ 3	- / 0	40MS-40MS/ 1	50S -50S / 1	10MR-10MR/ 1	2-3/ 2	1-1/ 1
81	5661- 6663/ 3	126-170/ 3	- / 0	10MR-25S / 2	- / 0	30MS-30MS/ 1	2-5/ 3	3-3/ 1
63	4045-10745/ 3	127-130/ 2	- / 0	1R - 1R / 1	40X -40X / 1	20X -20X / 1	1-4/ 3	2-4/ 2
47	4495- 5664/ 3	128-170/ 3	- / 0	15MR-15MR/ 1	1R - 1R / 1	1R - 1R / 1	2-3/ 3	2-2/ 2
61	4440- 5997/ 3	127-170/ 3	- / 0	30MS-60S / 3	60S -60S / 1	10MS-40S / 2	2-3/ 2	1-1/ 1
32	3441- 5822/ 3	126-170/ 3	- / 0	5MS-40S / 3	40S -40S / 1	40X -40X / 1	2-3/ 2	1-1/ 1
67	4495- 6913/ 3	130-131/ 2	- / 0	20MR-40S / 2	30S -30S / 1	10MR-10MR/ 1	1-5/ 3	2-4/ 2
22	1999- 5272/ 3	125-140/ 2	- / 0	1R - 1R / 1	80S -80S / 1	50MS-80S / 2	1-2/ 3	0-3/ 2
27	2331- 5003/ 3	129-130/ 2	- / 0	10MR-10MR/ 1	- / 0	5MR- 5MR/ 1	2-2/ 2	1-1/ 1
76	4465- 6105/ 3	127-170/ 3	- / 0	15MR-15MR/ 1	50S -50S / 1	70S -70S / 1	1-4/ 3	2-2/ 1
46	4489- 6830/ 3	130-170/ 3	- / 0	15MS-15MS/ 1	40S -40S / 1	5MS- 5MS/ 1	2-5/ 3	2-4/ 2
98	4671- 6663/ 3	126-170/ 3	- / 0	25MS-25MS/ 1	1R - 1R / 1	50S -50S / 1	3-3/ 2	1-1/ 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)
110	235- 6084/ 3	118-201/ 5	40-100/ 3	1R -40S / 2	1R - 3S / 2	- / 0	- / 0	3-4/ 2
39	282- 6433/ 3	120-200/ 5	30-100/ 3	2MR-20MS/ 2	1R - 1R / 1	- / 0	- / 0	2-9/ 2
47	294- 5288/ 3	119-194/ 5	5-100/ 3	- / 0	1R - 1R / 1	- / 0	- / 0	2-9/ 2
1	388- 2807/ 3	119-205/ 5	60-100/ 3	5MS-80S / 3	2MR-99S / 2	- / 0	- / 0	3-3/ 2
49	323- 7887/ 3	119-201/ 5	5-100/ 3	2MR- 2MR/ 1	1R - 1R / 1	- / 0	- / 0	5-5/ 1
43	236- 7229/ 3	118-203/ 5	10- 80/ 3	4S - 4S / 2	1R - 1R / 1	- / 0	- / 0	1-5/ 2
23	264- 7198/ 3	115-201/ 5	75- 90/ 3	1R -80S / 2	5R - 5R / 1	- / 0	- / 0	2-2/ 1
7	441- 6103/ 3	117-198/ 5	10- 95/ 3	1R -80S / 3	5R - 5R / 1	- / 0	- / 0	2-5/ 2
50	295- 5608/ 3	119-200/ 5	5-100/ 3	2MR- 2MR/ 1	1R - 1R / 1	- / 0	- / 0	5-5/ 1
90	353- 4268/ 3	116-207/ 5	75-100/ 3	1R -40MS/ 2	1R - 1R / 1	- / 0	- / 0	1-3/ 2
58	412- 6853/ 3	115-204/ 5	65-100/ 3	3S - 3S / 1	2MR-40MS/ 2	- / 0	- / 0	1-7/ 2
86	282- 5153/ 3	118-205/ 5	40-100/ 3	2MR-40S / 2	1R - 1R / 1	- / 0	- / 0	2-9/ 2
52	530- 6862/ 3	115-204/ 5	40-100/ 3	2MR- 2MR/ 1	20MR-20MR/ 1	- / 0	- / 0	- / 0
85	342- 7681/ 3	116-205/ 5	50-100/ 3	1R -40S / 2	20MR-20MR/ 1	- / 0	- / 0	1-3/ 2
54	411- 6250/ 3	116-198/ 5	68-100/ 3	- / 0	40MS-40MS/ 1	- / 0	- / 0	2-9/ 2
29	352- 5883/ 3	118-197/ 5	30- 90/ 3	2MR- 2MR/ 1	1R - 2MR/ 2	- / 0	- / 0	1-1/ 1
4	426- 5337/ 3	117-204/ 5	71-100/ 3	3S - 5S / 2	60MS-60MS/ 1	- / 0	- / 0	3-5/ 2
97	294- 6401/ 3	117-203/ 5	10-100/ 3	30S -30S / 1	1R - 5R / 2	- / 0	- / 0	3-5/ 2
102	401- 5545/ 3	119-200/ 5	10-100/ 3	1R - 1R / 1	1R - 1R / 1	- / 0	- / 0	3-7/ 2
91	441- 5434/ 3	116-208/ 5	40- 95/ 3	2MR-80S / 2	20MR-20MR/ 1	- / 0	- / 0	2-5/ 2
42	235- 8188/ 3	120-201/ 5	5- 90/ 3	- / 0	1R - 1R / 1	- / 0	- / 0	9-9/ 1
82	482- 6541/ 3	119-201/ 5	5- 65/ 3	40S -40S / 1	20MR-20MR/ 1	- / 0	- / 0	5-5/ 1
96	295- 6582/ 3	120-200/ 5	10-100/ 3	2MR- 2MR/ 1	60MS-60MS/ 1	- / 0	- / 0	5-5/ 1
59	294- 3988/ 3	118-200/ 5	40-100/ 3	1R - 5S / 2	1R - 1R / 1	- / 0	- / 0	4-7/ 2
106	412- 6256/ 3	125-199/ 5	30-100/ 3	2MR-70S / 3	2MR-40MS/ 2	- / 0	- / 0	3-9/ 2
105	352- 7887/ 3	121-203/ 5	20- 95/ 3	3S -80S / 2	1R - 3S / 2	- / 0	- / 0	3-3/ 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			10								4
2	BEZOSTAJA				25							
3	ANZA		5							1		
4	RSK		12	6								17
6	VORO/BUC S		7				13	23		8		
7	VORO/BUC S		10		18							8
8	VORO/BUC S								9			
9	ODK 51/PEW S					14						
10	ODK 51/PEW S			8								
11	BRK/BOW S	4					5		18	20		
12	PLK 70/4/CNO/NO//CC/INIA/3/KAL/BB		22					17				

ENTRY	PEDIGREE	RANK BY CATEGORY										
		1	2	3	4	5	6	7	8	9	10	11
13	ANZA/4/WRM/3/JD/JB//GB/5/TRM//KAL/BB		20							16		
14	ASP S/HYS//PEEP S									6		
15	JCAM/EMU S//TAN S				6	4	6		17			
17	GHL121/MN72131			25		18						
18	LEDA/3/7C/CNO//CAL/4/T4R(2)			25		6						
19	LEDA/3/7C/CNO//CAL/4/T4R(2)			23								
21	MIRU/BUN,F1/4/CBC148//CNOS/INIA//LFN/3/KLPE/RAF					15	25					
22	YMH/HYS/3/EG/178383//2*YMH,F1/4/YMH/HYS			7	16			4	25		22	
23	RSK/NAC		2							17		7
24	F34.70//BB/GLL/3/CROW S					2						
25	PDGA/TAL*2//VORO			1	19			13	14			
26	II58-57//YMH/2*P101/3/WA6363								20			
27	PCK/TTM S					25	10	11			23	
28	II58-57//YMH/2*P101/3/CMT		25				15	20			15	
29	MLW//JUP/BJY S		2				9			14		16
30	BEZ I/KOEL S				5							

ENTRY	PEDIGREE	RANK BY CATEGORY										
		1	2	3	4	5	6	7	8	9	10	11
31	NAI60/HN7//DOVE S								19			
32	ANZA/4/WRM/3/JD/JB//GB/5/TRM//KAL/BB		25					25			20	
33	BEZ2B/3/CC/INIA//CAL/4/ULC/EMU S		1			13			13	25		
34	APF S/BOW S						25					
35	APF S/BOW S				8							
36	AMD S/HN4//PCIS/3/CROW S		25							25		
37	SDY/BUC S		11							25		
38	SDY/BUC S	15	25									
39	PIN39/PEW S		14			11				19		2
41	PIN39/PEW S				2	12						
42	PIN39/PEW S		9		20	21				9		21
43	PIN39/PEW S		15		15	16				7		6
44	F3.71/PEEP S						18					
45	PCHU/4/KT54A/N10B//KT54B/3/NAR59*2/5/HN4/6/HIM/COC//NAC		25					18				
46	RBS/ANZA/3/KVZ/HYS//YMH/TOB/4/BOW S	9					12				25	
47	RBS/ANZA/3/KVZ/HYS//YMH/TOB/4/BOW S	24	16			9	4			5	18	3

ENTRY	PEDIGREE	RANK BY CATEGORY										
		1	2	3	4	5	6	7	8	9	10	11
48	RBS/ANZA/3/KVZ/HYS//YMH/TOB/4/BOW S	21			11	7	3	3	11	13	9	
49	RBS/ANZA/3/KVZ/HYS//YMH/TOB/4/BOW S	3			24		7	5	3	11	3	5
50	F34.70//BB/GLL/3/CROW S					17						9
51	F34.70//BB/GLL/3/YHT2							7				
52	SPN/CROW	19		25								13
53	SHS/CI12703//SSN27/3/BUC S	18			13	22		21				
54	SHS/CI12703//SSN27/3/BUC S	17		15								15
55	PCHU/4/KT54A/N10B//KT54B/3/NAR59*2/5/HN4/6/HIM/COC//NAC	1		13	12						12	
56	CTFN/JT//BUC S	5			17	1						
57	ANZA//AU/CO652337	11			4				21			
58	RSK/NAC	14	8	19						2		11
59	AFG3/PEW S							8				25
61	GHL121/MN72131					24		14			19	
63	TJB916-46/NKT										17	
64	SWM790756,F1/5/AU//MINN/HK/3/38MA/4/YMH/ERA				23		14		10			
65	AN//SN64/SS2/3/CHRC S		21			8	8	19			14	

ENTRY	PEDIGREE	RANK BY CATEGORY										
		1	2	3	4	5	6	7	8	9	10	11
66	55-1744/7C//SU/RDL/3/CROW			25	14	5	2				10	
67	VPM/MOS83-11-4-8//ALD,F1/5/AU/3/MINN//HK/38MA/4/YMH/ERA			5		10	11				21	
69	PLK 70/4/CNO/NO//CC/INIA/3/KAL/BB		17						22		1	
70	ASP//CAR422/ANA				7							
71	PMF/MAYA//YACO	8					25			18		
74	PKG16/LOV13//JSW3/3/CMT			16				25				
75	PIN39-DWX3/ALCEDO			3					6			
76	S148/PCHS//SPN	12		4							25	
77	HILL/CMT			2				2				
78	VPM/MOS83.11.4.8//BUC S			11			16					
79	F15.69/MN72135	7	6				17			4	4	
81	F56.72/4/GLL/YR RESL B/3/AU//KAL/BB	6		12						10	16	
82	ASP S/HYS//PEEP S		4					25		3		22
83	JCAM/EMU S //BOW S	13	18					12			7	
84	PCK/TTM S	16			1			15	2		13	
85	VG4059-2-16-117-69/ERA//ALCEDO	20		21					25		6	14

ENTRY	PEDIGREE	RANK BY CATEGORY										
		1	2	3	4	5	6	7	8	9	10	11
86	PIN39/PEW S				9			16			5	12
87	PDGA/TAL*2//VORO							1	4			
88	HD832/CNO/INIA/3/YH//RBS/P101/4/HN7/RMD//KVZ/5/MAG/CLLF			14					24			
89	ANZA//AU/CO652337				3			6			8	
90	NS14-69//MAYA74/MON,F1/3/BEZO/ERA// LOH1/DIRK			9	21	20					2	10
91	VORO/BUC S		19				19			21		20
92	2109-36/5/OFNDW/LR//NAR/4/MY/N10B//LR/3/MD/YB								7			
93	JCAM/EMU S//TAN S					3	25		5			
94	VIL27/KT54A/N10B/KT54/1228/PCH/OM/N10B/KT54/NAR/SW07329	10							23		11	
95	ANZA/3/PI/NAR//HYS/4/HIM/COC//NAC		3						12	15		
96	69-153/YMH//67-237/3/MAG/CLLF			22								25
97	STP/69D-3607//CWG/3/GLEN						20					18
98	RAN/LOV 13//FURY/TRM	25	13						16	12	25	
99	RAN/LOV 13//FURY/TRM	22		20				10		22		
101	JI/3/PJ/NAR//HN7/CD/4/JAR//GNS/LP/5/BOW		23									
102	ANZA/3/PI/NAR//HYS/4/JUP/BJY				22	23						19

ENTRY	PEDIGREE	RANK BY CATEGORY										
		1	2	3	4	5	6	7	8	9	10	11
104	WRM/4/FN/TH*3//K58/N*2/3/MY54/N10B//AN S/5/BUC S								8			
105	SWM790756,F1/5/AU//MINN/HK/3/38MA/4/YMH/ERA											25
106	VG4059-2-16-117-69/ERA//ALFANG3											25
107	TRK/3/SMB/PCHU//KAL/BB	23										
108	TJB916-46//SAP/MON							22				
109	HILL/CMT			18	10			9	1			
110	AU/3/MINN//HK/MDA38/4/YMH/ERA/5/BOW			17								1
111	ASH/BUC					19	25		15			
112	ANZA/SDY//T4R*2						1					