

Table 3 A.

First ear, main stalk, 7109B-2

a_2 in (class II) BE / a_2 bt; w_+ + / w_+ spm x w_+ spm ₀₇

Plant Number	Location of spm	I	II	t-1	t-2	t-3	pollen
Year 1957							
7309A-1	[w_+ + / w_+ spm]	-	-				
" A-2	" "	-					
" A-3	w_+ + / w_+ spm	+		+			
" A-4	" " "		-	+	vd		
" A-5	" " "	d		+	+		
" A-6	" " "	vd	vd				
" A-7	[" " "]	-					
" A-8	w_+ + / w_+ spm	+					
" A-9	" " "	d					

Table 3 B

From 7109 B @ ±-1 self-pollinated. a_2^{m1} (class II) BE | a_2^{bt}
 $w_1 + / w_1 S_{pm}$

Plant	Position of Spm	Cous						pollen	
Number		I	II	±-1	±-2	±-3			
<u>Year 1957</u>									
7308 A-4	$w_1 + / w_1 S_{pm}$	+	+	+					
" A-5	" " "	(7570)	(7563)	(7546)					
" B-1	" " "	d		+	+	+	(7554)	255	
" B-2	" " "	+							
" B-3	not tested	+ +							
" B-4	$w_1 + / w_1 S_{pm}$	+		+	+				
" C-1	$w_1 w_1 S_{pm} / S_{pm}$	+ -	+ +	+ -	+ +				
" C-2	$w_1 w_1 3 S_{pm}$	+ + +							
" C-3	$w_1 w_1 S_{pm} / S_{pm}$	+ +	+ +						
" C-4	$w_1 w_1$	+ -							
" C-5	$w_1 w_1$	+ +							
" C-6	$w_1 S_{pm} / w_1 S_{pm} + 1 S_{pm}$	+ + +	+ + +	+ + +					
" D-1	$w_1 + / w_1 S_{pm}$	(7573)	(7576)				+	many cultures - see D, table 3	
" D-2	$w_1 + / w_1 S_{pm}$						+	" " " " D " 3	
<u>Year 1958</u>									
7570	From cross of 7308 A-4, first ear, main stalk, by 7308 D-2, a_2^{bt} / a_2^{bt} , $w_1 + / w_1 S_{pm}$								
A-1	$w_1 + / w_1 S_{pm}$	d	d	+	+	+			
A-2	" " "	+	+	+	+				
A-3	" " "	+	+						
A-4	" " "	d		+	+				
A-5	" " "	+		+	+				
A-6	" " "	+	+	+					
A-7	$w_1 + / w_1$; 1 S _{pm}	+	+						
A-8	$w_1 + / w_1 S_{pm} + 1 S_{pm}$	+ +	+ +						
B-1	$w_1 S_{pm} / w_1 +$	+	+	+					
B-2	" " "	+	+				+		
B-3	" " "	-		+					
C	$w_1 S_{pm} / w_1 S_{pm}$	+ +	+ +	+ +	+ +		+ +		
		(7817)	(7818)	(7819)	(7816)				
7563	From cross of 7308 A-4, 2nd ear main stalk, by a_2^{bt} / a_2^{bt} , w_1 / w_1 , no S _{pm} of								
A-1	$w_1 S_{pm} / w_1 +$	+		+	+				
A-2	w_1 / w_1 ; 1 S _{pm}	+	+						
A-3	$w_1 S_{pm} / w_1 +$	+	+	+	+				
A-4	" " "	+	+	+	+				
A-5	" " "	+	+						
B-1	" " "	+		+					
B-2	" " "	+	+	+	+	+			

Table 3 B, cont in used.

Plant Number	Position of Spm	Corns			Pollens		
		I	II	t-1	t-2	t-3	
7546	From cross of tules of 7308A-4 by a ₂ b ₁ /a ₂ b ₁ , W ₊ /W ₊ , no Spm ♂						
-1	W ₊ + W ₊ Spm	+	+				
-2	" " "	vd	+				
-3	" " "	+	+	+			
-4	" " "	+					
-5	" " "	+	+	+			
-6	W ₊ /W ₊ , 1 Spm	+	+	+			
-7	W ₊ + W ₊ Spm	+	+	+			
T -8	W ₊ + W ₊ Spm + 1 Spm	+	+	+			
T -9	W ₊ + W ₊ Spm Spm	+	+	+			
-10	W ₊ + W ₊ Spm	+					
-11	" " "	+					
-12	" " "	+	+				
7554	From cross of ♀ a ₂ b ₁ /a ₂ b ₁ , W ₊ /W ₊ , no Spm × 7308A-5 ♂						
A-1	W ₊ + W ₊ Spm	(+-)	-	d			
A-3	" " "	-		-			
A-4	" " "	-	vd	vd			
A-5	" " "	-		vd	-		
7573	From cross of intern, main stalk of plant 7308C-6 by a ₂ b ₁ /a ₂ b ₁ , W ₊ /W ₊ , no Spm ♂						
T A-1	W ₊ + W ₊ Spm + 1 Spm	d+d					
A-2	W ₊ + W ₊ Spm + 1 Spm	+	+	+	+		
A-3	" " " "	+	+	+	+		
A-4	" " " "	+	+				
A-5	" " " "	+	+				
A-6	" " " "	+	+				
B-1	W ₊ + W ₊ Spm	+					
B-3	" " "	vd	d	+			
B-4	" " "	+	+				
B-5	" " "	d					
7576	From cross of intern, main stalk, of plant 7308C-6 by a ₂ b ₁ /a ₂ b ₁ , W ₊ /W ₊ , no Spm ♂						
	W ₊ + W ₊ Spm	+	+	+			

Table 3 C.

7308 D-1 progeny.

Year 1958

$a_2 b_1 / a_2 b_1, w_1 + / w_1 s_{pm}$

7564-65
7588
7597
7601
7605
7607

7778
7781

I ♀ parent, no sperm x 7308 D-1

Position of sperm

Cross.

Plant No.			I	II	t-1	t-2	t-3	pollen		
7564-1	$w_1 + / w_1 s_{pm}$		+		+	+				
" - 2	" "	"	+		+					
" - 3	" "	"	+		+					
" - 4	" "	"	+		+					
" - 5	" "	"	+							
7565 A-1	$w_1 + / w_1 s_{pm}$		-							
" A-2	$w_1 + / w_1 s_{pm}$		d							
" A-3	" "	"	(+ -)	+	+					
" A-4	" "	"	rd							
" A-5	" "	"	+							
" B-1	" "	"	rd		rd					
" B-2	$w_1 + / w_1 s_{pm}$		rd							
7566 A-1	$w_1 + / w_1 s_{pm}$		(+ -)		+					
" A-2	" "	"	+							
" A-3	" "	"	d							
" A-4	" "	"	+		+					
" A-5	" "	"	+		+	+				
" B	$w_1 + / w_1 s_{pm} + 2 s_{pm}$		+++							
7567	$w_1 + / w_1 s_{pm} + 2 s_{pm}$		+++					+++		
7568	$w_1 + w_1, no s_{pm}$									
7588 A-1	$w_1 + w_1$		-							
" A-2	$w_1 + / w_1 s_{pm}$		rd	rd						
" B-1	" "	"	+		+	+				
" B-2	" "	"	+	-						
" C-1	" "	" + 1 s _{pm}	+ -							
" C-2	" "	" + 1 s _{pm}	+ -	+ -	+ -					
" D-1	" "	"	+		+					
" D-2	" "	"	rd							
7601 B-1	" "	"	+							
" B-2	" "	"	d							
" B-3	" "	"	(+ -)							
" B-4	" "	"	+							
" B-6	$w_1 + / w_1 s_{pm}$		rd							
" B-7	$w_1 + / w_1 s_{pm}$		+	+						
" B-8	" "	"	+							
" B-9	" "	"	+							
7605 A-1	$w_1 + w_1$	1 s _{pm}	+							
" A-2	" "	1 s _{pm}	+							
" A-3	" "	"	rd	rd						
" A-5	" "	1 s _{pm}	+							

Table 3C, continued

Plant Number	Position of Spm	I	II	Z-1	Z-2				
7605 B	wx wx	-							
" C	" "	rd							
7607-1	" "	+							
" - 2	" "	rd							
" - 3	" "	rd							
" - 4	" "	-							
" - 5	" "	+							
" - 6	" "	d							
II ♀ with delayed action Spm x 077308 D-1									
7585A-1	wx+ wx Spm	rd			+				
A-2	" " "	+							
A-3	" " "	rd							
A-4	" " "	rd			+				
A-5	" " "	+							
A-6	" " "	d		rd					
" B-1	" " + 1 Spm	d -			+	+	+		-
B-2	wx+ wx Spm	+							
B-3	" " "	-		-					
B-4	" " "	rd							
B-5	" " "	+		+					
B-6	" " "	rd							
7597 = Factor 7455C-2 (see table 4) ♀ x 7308 D-1 tiller-1 tiller									
7597A-1	wx+ wx Spm + 1 Spm	+							
A-2	" " "	rd							
A-3	" " "	d							
A-4	" " + 1 Spm	+	d		-	d			
A-5	" " "	+		+	-				
A-6	[" "]	rd							
A-7	wx+ wx Spm	rd							
B-1	" " "	d							
B-2	" " "	+							
T] B-3	wx wx; 1 Spm	+							
T] B-4	wx wx; 1 Spm	d							
B-5	wx+ wx Spm	d							
B-6	wx/wx	-							
III ♀									
7556	wx+ wx Spm + 1 Spm	+	+		+	+			

Year 1960

Case

Year 1960		I	II	t-1	t-2				
7778A1	wt wt	-		-	-				
A-2				-	-				
A-3									
A-4									
A-5				-					
A-6									
A-7				-	-				
A-8				-	-				
" B				-	-				
" C-2		rd		-	-				
3				-					
4				-					
5				-					
" D		d		+	+				
7781A	wt spm wt +	+	+						

Table 3 A 1957 center

7109B (2) Fat ^{on main stalk} $z_1 \times a_2 b_1 y$ text no spin of

7309 A			I	II	t-1	t-2	t-3	pollen
①	[Wx + spin]		-	-				
②	[Wx + spin]		-					
③	Wx + spin		-		+			
④	" " " "			-	+	vd		
⑤	" " " "	d			+	+		
⑥	" " " "	vd		vd				
⑦	[" " "]	-						
⑧	Wx + spin	+						
⑨	" " " "	d						

Table 3B

Car on tiller-1

From 7109 B (2) t-1 self pollinated Wt+1 in spm - active.

1937

7308			I	II	E-1	t-2	t-3	pollen		
A-4	Wt+1 in spm	spm	+	+	+					
A-5	"	"	d	d	d					
B-1	"	"	d	d	d					
B-2	"	"	+	+	+	+	+	+		
B-3	(not tested)	1+2 spm	+	+						
B-4	Wt+1 in spm	spm	+	+	+	+	+			
C-1	Wt+1 in spm	2 spm	+	+	+	+	+			
C-2	"	spm/spm	+	+	+	+	+			
C-3	"	spm/spm	+	+	+	+	+			
C-4	"	spm/spm	+	+	+	+	+			
C-5	"	"	+	+	+	+	+			
T C-6	"	spm/spm+1 spm	+	+	+	+	+			
D-1	Wt+1 in spm	spm							+	see reports about C-1 table
D-2	"	"							+	see " " " D-3

1937										
C-2	From kernels on 2nd ear, main stalks,				7308 A-4					
7563 A-1	Wt+1 in spm	spm	+			+	+			
T-1	Wt+1 in spm	spm	+			+				
"-2	Wt+1 in spm	spm	+			+	+			
"-3	"	"	+			+				
"-4	"	"	+			+	+			
B-1	"	"	+			+				
B-2	"	"	+			+	+	+		
7546	From kernels on tiller ear of 7308 A-4									
1	Wt+1 in spm	spm	+			+				
2	"	"	rd			+				
3	"	"	+			+				
4	"	"	+			+				
5	"	"	+			+				
6	Wt+1 in spm	spm	+			+				
7	Wt+1 in spm	spm	+			+				
T-8	Wt+1 in spm + 1 spm	spm	+	+		+	+			
T-9	Wt+1 in spm	spm	+			+				
10	Wt+1 in spm	spm	+			+				
11	"	"	+			+				
12	"	"	+			+				

7573 A-1	From kernels on front ear, main stalks of plant 7308 C-6									
1	Wt+1 in spm	spm	d							
2	Wt+1 in spm + 1 spm	spm	+	+		+	+			
3	"	"	+	+		+				
4	"	"	+	+		+				
5	"	"	+	+		+				
6	"	"	+	+		+				
B-7	Wt+1 in spm	spm	+			+				
8	Wt+1 in spm	spm	rd			d		+		
9	"	"	+			+				
10	"	"	d							

1937
1938

7308 D ①

W+ / W+ Spm - active

Behavior of Spm in subsequent generations

$\bar{P} = 1958$ cultures.

main stalk pollen - 7/15/57
Spm location

Cross tested

Plant number	♀ Spm location	I	II	t-1	t-2	t-3	pollen		
7588 A-2	W+ + / W+ Spm	rd	-						
B-1	W+ + / W+ Spm	+		+	+				
B-2	W+ + / W+ Spm	+	-						
C-1	W+ + / W+ Spm	+							
C-2	W+ + / W+ Spm	+							
D-1	o W+ + / W+ Spm	+							
D-2	o [W+ + / W+ Spm]	rd							
Main pollen 7/16/57									
7556	o W+ + / W+ Spm	d	∞						
main pollen 7/21/57									
7565 A-1	o [W+ + / W+ Spm]	-							
2	o W+ + / W+ Spm	d							
3	o W+ + / W+ Spm	d	+	+					
4	o W+ + / W+ Spm	d							
5	o W+ + / W+ Spm	+							
7585 A-1	W+ + / W+ Spm	d		+					
2	W+ + / W+ Spm	+							
3	W+ + / W+ Spm	rd							
4	W+ + / W+ Spm	rd		+					
5	W+ + / W+ Spm	+							
8	W+ + / W+ Spm	d	d						
B-1	o " "	∞		∞	+				
2	o " "	+							
4	o " "	rd							
5	o " "	+		+					
6	o " "	rd							
main pollen 7/22/57									
7566 A-1	o W+ + / W+ Spm	(+ -)		+					
2	o " "	+							
3	o " "	d							
4	o " "	+		+					
5	o " "	(+ -)							
7/26/57									
7607 -1	o W+ + / W+ Spm	+							
2	o " "	rd							
3	o " "	rd							
4	o " "	-							
5	o " " 1 Spm	+							
6	o " " 1 Spm	+							
7/24/57									
7605 A-1	o W+ + / W+ Spm	+							
2	o " " 1 Spm	+							
3	o " " 1 Spm	rd	rd						
5	o " " 1 Spm	+							
C	o " " 1 Spm	rd.							

	♀	♂	I	II	E-1	E-2	E-3	pollen		
7610 A-1	15pm Wx+ us Spm		+							
2	" "	" "	+							
3	" "	" "	d	+						
4	" "	" "	d	d						
5	" "	" "	nd	nd						
6	" "	" "	d	+	+	+				
B-1	" "	" "	-							
2	Wx+ us Spm		+							
3	" "	" "	(+-)							
4	" "	" "	nd							
6	" "	" "	nd							
pollen t-1	7/26/57									
7564-1	0 Wx+ us Spm		+		+	+				
2	0 " "	" "	+		+					
3	0 " "	" "	+							
4	0 " "	" "	+		(+-)					
5	0 " "	" "	+							
7597 A-1			+							
2	" "	" "	nd							
3	" "	" "	d							
4	" "	" "	d		+					
5	" "	" "	+	+						
6	[" "]		(+-)							
7	Wx+ us Spm		nd							
B-1	0 " "	" "	nd							
2	0 " "	" "	+							
T3	0 Wx+ us Spm		+							
T4	0 " " us Spm		d							
5	0 Wx+ us Spm		nd							
6	[" "]		-							
pollen, t-2	7/24/57									
7601 B-1	0 Wx+ us Spm		+							
2	0 " "	" "	+							
3	0 " "	" "	(+-)							
4	0 " "	" "	7781	year 1960						
6	0 " "	" "	+							
7	0 " "	" "	(+-)							
8	0 " "	" "	+	+						
9	0 " "	" "	(+-)							
	0 " "	" "	+							

§. 1960 Centers

7778	Constitution	I	II	z-1	z-2				
A-1	uu uu	-		-					
2	" v	-		-	-				
3	" v	-							
4	" "	-							
5	" "			-					
6	" v	-							
7	" v	-		-	-				
8	" "	-							
B		-		-	-				
C - 2	" "	nd							
3	" "	-		-					
4	" "	-							
5	" "	-							
D	" "	nd		+	+				
7781 A	w+spm uu +	+							

Table 3 D

Progeny of 7308 D (2)

wt+/wt spin-act¹⁰ Summer 1958

Parent ♂

♀ ♂

main	730	SPM 7308D-2	I	II	E-1	E-2	E-3	poly
7583D-1	1	wt+/wt spin	+					
	2	Wt+/wt spin	+	+	+			
	3	" "	+					
	4	" "	-		+			
	5	" "	+					
B-1	2	" "	+					
	3	" "	+	+				
	4	" "	+	+				
	5	" "	+					
C-1	2	" "	+		+			
	3	" "	+					
T	4	" "	+		+			
	5	" "	+					
	6	" "	+					
T D-1	1	Wt+/wt spin			+	+		
	2	Wt+/wt spin		+				
main	7569							
T*	1	Wt+/wt spin	+		+	+		
	2	Wt+/wt "	+		+			
	3	" "	(+/-)		+			
	4	" "	+	+				
T	5	Wt+/wt spin	d					
	6	Wt+/wt spin	+			+		
	7	" "	-	(+/-)				
main	7575A							
B	1	Wt+/wt spin	d		+			
	2	" "	+					
757DA	1	♀ spin Wt+/wt spin	d	d	♀ ♂ +	♀ ♂ +	♀ ♂ +	
	2	" " " "	+	+	+	+		
	3	" " " "	+	+				
	4	" " " "	d		+	+		
	5	" " " "	+	+	+	+		
	6	" " " "	+	+	+			
T	7	Wt+/wt spin	+	+				
T	8	" " " + spin	+	+				
B-1	1	Wt spin Wt +	+	+	+			*
	2	" " " "	+	+				+
	3	Wt spin Wt +	-		+	+		
C	1	Wt spin Wt spin	+	+	+	+	+	+

* wild type - stock

tiller -1	7/23/57		I	II	t-1	t-2	t-3	pollen
7571-1	0	Wt+ us spm	d	+	+	+		
2	0	" "	+					
4	0	" "	+		(+-)	+		
5	0	" "	+	+	+			
tiller -1	7/26/57							
7602-1	0	Wt+ us spm	+					
2	0	" "	+					
T 3	0	Wt us; 2 spm	+ +					
4	0	[Wt+ us spm]	nd					
5	0	Wt+ us spm	nd	nd	+			
tiller -1	12/1/57							
75917-1	0	Wt+ us spm	-	-	+			
2	1	" "	+					
3	1	" "	+					
4	1	" "	+					
5	1	[" "]	d					
6		" "	+					
7		" "	+					
8		" "	+					
T B-1	0	Wt us; 1 spm	+	+				
2	0	Wt+ us spm	-	+				
3	0	" "	-	nd	+	+		
T 4	0	Wt us; 1 spm	+	+				
5	0	Wt+ us spm	+					
7595A-1	1	Wt+ us spm	+	+				
2	1	[Wt+ us spm]	-	nd				
5	1	Wt+ us spm	(+-)					
6	1	" "	+					
T B-1	0	Wt us; 1 spm	+	+				
2	0	Wt+ us spm	+					
3	0	" "	+					
4	0	" "	+					
5	0	" "	+					
6	0	" "	+					
1960								
4779 A-1	Number of dots = important		From incertus → actual in notes.					
2	1							
3	1							
4	1							
5	1							
6	1							
B 1	1		nd					
2	1		nd	nd				
3	1		-	-	-			
4	1		-	-				
5	1							
6	1		nd		nd			

Plants from

7308 D @ t-1 ear x t-2 pollen

1958

	Spm constitution	I	II	t-1	t-2	t-3	pollen		
7538									
1	Spm/Spm	+ +					+ +		
T 2	Spm + Spm	+ +					+ +		
3	1 Spm	+					+		
4	1 Spm	+							
5	1 Spm	+					+		
6	Spm/Spm	+					+		
9	1 Spm	+					+		
10	Spm/Spm	+					+		
12	1 Spm	+					+		
13	1 Spm	+					+		
14	1 Spm	+					+		
R-2	Spm/Spm	+ +					+ +		
R-4	Spm Spm	+ +					+ +		

Table 3 E. 1960 cultures from

7570C

Wt Spm - active / un Spm - active
 (from c.o. 7308A⁺) (from 7308D⁺)

7816

7817

7818

Spm from	7308D ⁺ sub	I	II	E-1	E-2	E-3	pollen
7816	-1						
"	-2			+++			
"	-3			+	+		
Spm from	7308D ⁺ sub						
7817	-1						
"	-2						
"	-3			+	+		
"	-4		+				
"	-5						
Spm from	7308D ⁺ sub						
7817A	-1			+	+	+	+
A-2	1 Spm			+			
B-1	1 Spm			+			
2	1 Spm			+			
3	Spm / Spm			+	+		+
4	Spm / Spm						+
5	Spm / Spm						+
6							
7	1 Spm			+			
8	1 Spm			+	+		+
9	Spm / Spm						+
10	1 Spm			+			+
11	Spm / Spm						+

92 ml (pale - early origin) BZ / a26t

SPM from 7308D①

From	7308D①±2		I	II	t-1	t-2	t-3			
7601 B①	W+ unspun		+							
" B-2	" "		d							
" B-3	" "		(+-)							
" B-4	" "		+							
" B-6	[" "]		vd							
" B-7	W+ unspun		+	+						
" B-8	" "		+							
" B-9	" "		+							
From 7308D①±2										
7605 A-1	un un 1 spun		+							
" A-2	" " spun		+							
" A-3	" "		vd	vd						
" A-5	" " 1 spun		+							
" B-1	" "		-							
" C	" "		vd							
From 7308D① main										
7607 -1	un un 1 spun		+							
" -2	un un		vd							
" -3	" "		vd							
" -4	" "		-							
" -5	" " 1 spun		+							
" -6	" "		d							
From 7308D①±1 (?)										
7610 B-1	W+ un		-							
" B-2	W+ unspun		d							
" B-3	W+ un		vd							
" B-4	W+ unspun		vd							
" B-6	" "		vd							

1/20/1957

a₂^m (pale-spotted) BZ/a₂bt spm from 7308 D-2

From 7308 D-1		I	II	Z-1	Z-2	Z-3			
7571 D	W+ + un spm	wd ⁷⁵³⁷ c ^o	+	+	+				
" -2	" " "	+							
" -3	W+ un un spm	o	o	x 7538 (14)	o				
" -4	W+ + un spm	+		(+ -)	+				
" -5	" " "	+	+	+ ^{7537c} o					
From 7308 D-2 main									
7583 A-2	W+ + un spm	+	+	+ ⁷⁵³⁸ (14)					
" A-3	" " "	+							
" A-4	" " "	-		+					
" A-5	" " "	+							
" B-1	[" "]	+							
" B-2	W+ + un spm	+							
" B-3	" " "	d	d ^{7537c} o						
" B-4	" " "	+							
" B-5	" " "	+							

			I	II	t-1	t-2	t-3			
From 73080 @ t-1										
7602-1	W+1 WSPM		+							
" - 2	" "		+							
" - 3	W+1 ; 2 SPUR		+ +							
" - 4	[W+1 WSPM]		vd							
" - 5	W+1 WSPM		(+-)	vd	+	< 7535 (+)				

a₂ ml (pale-dotted) BI / a₂ s₆ T

From 7312 (5)

Wyspu | us +

Ear

		I	II	t-1	t-2	t-3			
7547 A-1	pale-spotted	-	x7538-3 ^{15pm}	+	d				
" A-2	" "	+		+					
" A-3	" "	d to +							
" A-4	" "	-							
" A-5	" "	-	nd						
" B. =	A ₂ stat	-		d to +					
" C-1	" "	nd							
" C-2	" "	+							

Spin from ear II of 7109B(1) + from pollen of ~~7109B(1)~~ 7109B(2)

- = inactive spin
 vd = " " except for 1 or several kernels
 d = delayed active spin
 + = fully active spin

A = from ear I

Row test rel.

	Location of Spin	I	II	T-1	T-2	T-3	Pollen		
7109B(1)	I 1957	vd 7456B-5					Tested		
7456B-5	W+W+ 1 spin	-	d	d	d				
" C-1	W+W+ 1 spin	-	-	d					
" C-2	W+W+ 1 spin	-	vd	d					
" C-3	" " " "	-	vd	<u>d</u>	d	d			
" C-4	" " " "	-	-	-			d		
" D-1	W+W+ 1 spin	-	-	-					
" D-2	" " " "	vd	-	d	d				
" D-3	" " " "	-	-	-					
" D-4	W+W+ 1 spin	vd	-	vd	d				
" D-5	W+W+ 1 spin	<u>vd</u>	-	vd	d	d			
" D-7	" " " "	-	-	vd	vd				
" D-2	" " " "	-	-	-	-				
7600 (from 7456C(5))	1958								
(1)	W+W+ 1 spin	vd							
(3)	W+W+ 1 spin	-	-						
(4)	W+W+ 1 spin	- ^{sector} ₊	-						
(5)	" " " "	-	-						
(6)	W+W+ 1 spin	-	-						
(7)	W+W+ 1 spin	-	-						
(8)	W+W+ 1 spin	-	-						
(9)	[W+W+ 1 spin]	-	-						
(11)	W+W+ 1 spin	-	-						
(12)	" " " "	-	vd						
7598 (from 7456D(5))	I								
(11)	W+W+ 1 spin	vd							
(8)	W+W+ 1 spin	-							
7599 from pollen of 7456D(5)									
A (1)	W+W+ 1 spin	-	d						
(2)	" " " "	-	-						
(3)	" " " "	d							
(4)	" " " "	-	-						
(5)	W+W+ 1 spin	-	-						
(6)	[W+W+ 1 spin]	-	-						
B (1)	W+W+ 1 spin	vd	-	d					
(2)	" " " "	vd	-	-					
(3)	" " " "	d	-	-					
(4)	W+W+ 1 spin	-	-	-					
1960 (active spin not recorded - not recorded here)									
7480H(1)	(1) W+W+ 1 spin	-	-						
(2)	" " " "	-	-						
(3)	" " " "	-	-						
(4)	" " " "	-	-						
(5)	" " " "	-	-						
(6)	" " " "	-	-						
(7)	" " " "	-	-						
(8)	" " " "	-	-						

from spin Replace in chart.
 + + + +
 d +
 d

		I		II		I-1		E-2	E-3	pollen
		♀	♂	♀	♂	♀	♂			
7580 A	W Spm W Spm	-	+	-	+	d	+			
"	"	-	d			d	+			
1957	From pollen of 7109 B	Pollen = cultured culture.								
7312	Wt + 1 W Spm	-	d			rd		rd		
1957	From 7312									
7547 A	Wt Spm Wt +	-		-		+		rd = (+-) very small sectors.		
"	"	+				+				
"	"	+								
"	Wt Wt	-	rd							
"	Wt Wt	-		rd		d				
"	Wt Spm Wt +	-								
"	"	d								
"	"	+								
1957	from pollen of 7109 B									
7313		rd				+				
"		rd								
"		d								
"		rd								
"		rd				+		+		
"		+				+		+		
"		+								
Complete	Wt + Wt Spm	rd		rd						
B-1		+				+		+		
B-2										
B-3										
B-4	"	d		+		+				
B-5	"	+								
B-6	"	d		d		+		+		
B-7	"	+		+						
B-8	"									
B-9	"	d								
B-10	"					+		+		

B = 7109 B⁰ t-1 low = active spm

+ = active spm
 rd = very few kernels show active spm.

1957		I	II	t-1	t-2	t-3	pollen
7306 A-	1 Wt+ / wt spm	+	7560 + (near 1958)	+			
	2 " " "	-					
T	3 Wt wt; 1 spm	-		+			
	4 Wt+ / wt spm	+					
	5 " " "	+					
	6 " " "	+	+				
T B	1 Wt+ / wt spm + 2 spm	+ * +	+ * +	+ * +	+ +	+ + +	
T	2 " " + 1 spm	+ +		+ +			
1958							
7560 C ⁰	① Wt spm wt +	+		+	+		
	② [" " " "]	-					
T	③ Wt wt; 1 spm	rd	rd	+			
T	④ Wt wt; 2 spm	+ +	+ +				
	⑤ Wt spm / wt +	+				+	
T	⑥ Wt wt; 1 spm	+					

Table-2

C. 7109 B ① E-2 car. Active Spm

+ = active spm
 d = deleted active spm in scap
 (±) = number of + and -
 (+d-) = ^{left} number of car.

1957			I	II	I-1	E-2	E-3	poles			
7307A	B	① W+W ₂ spm	d								
		② W+W ₁ spm	+		+	+					
		③ " " "	+	+							
		④ " " "	+		+						
		⑤ " " "	+	+							
		⑥ " " "	+		+						
		⑦ " " "	+	+							
		⑧ " " "	+	+							
		⑨ W+W ₁ spm + spm	+ and +	+	+	(±)	+	+	+	+	deleted active spm
		⑩ " " "	+ and +			+	+	+	+		
7561	B	① [W+W ₁ spm, W+W ₂ spm]	-								
		② W+W ₁ spm	nd	nd							
		③ " " "	+	+							
		④ " " "	(±)	-		+					
		⑤ " " "	+								
7562	B	① " " "	+	+							
		② " " "	+								
		③ " " "	-			+					
7572	B	① W+W ₁ spm	+								
		② " " "	+			+					
		③ " " "	+	+							
		④ W+W ₁ spm	nd								
		⑤ W+W ₁ spm	nd	d							
		⑥ " " "	+								
		⑦ " " "	+								
1960	B	① W+W ₁ spm	(+d-)	(±)		+	(±)	(±)		Frequent changes in plane	
		② " " "	+			+					
		③ " " "	(+d-)			+					
		④ " " "	do			+					
		⑤ " " "	by 7109 B			+					
		⑥ " " "	(±)			+		+			
		⑦ " " "	(±)			+					
		⑧ " " "	(±)	(±)		+					
		⑨ " " "	-								
		⑩ " " "	-	-							
C	D	① " " "	-								
		② " " "	-								
		③ " " "	-								
		④ " " "	-								
		⑤ " " "	-								
		⑥ " " "	-								
		⑦ " " "	-								
		⑧ " " "	-								

07 01 2 10 1000
 (1) = a z b b k s + no spin
 (2) = " " " " " "
 (3) = a z b b k s + 1 s p u - and up
 7308 D-1: D-2

Typ of cross conducted with parts of flour

			First ear	Seed ear	Corz 4	Ear of	Gen of	Polley	
7456			main stalk	main stalk	tiller - 1	tiller - 2	tiller - 3	To	
A-1	W+ W+		no spin	(3)	(2)	(1)			
A-2	W+ W+		no spin	(3)					
A-3	W+ W+		no spin	(3)				(1)	
A-4	W+ W+		(no spin)	(3) ^{no spin}	(2)	(1)	(2)		
B-1	W+ W+		no spin	(3)	(1)				
B-2	W+ W+		no spin	(3)	(2)				
B-3	W+ W+		no spin	(3)	(1)				
B-5	W+ + no spin			(3)	(1)	(2)			
B-6	W+ W+	no test for spin		(1)					
C-1	W+ W+ spin			(3)	(1)				
C-2	W+ + no spin			(3)	(1)				
C-3	W+ + no spin			(3)	(2)	(2)	(2)		
C-4	W+ + no spin			(3)	(2)	(1)		(1)	
D-1	W+ + no spin			(1)	(3)				
D-2	(W+ + no spin)			(1)	(1)				
D-3	(W+ + no spin)			(1)					
D-4	W+ W+ spin			(1)	(3)	(2)			
D-5	W+ + no spin			(1)	(2)	(3)	(2)	(2)	(1)
D-7	W+ + no spin			(1)	(1)	(2)			(1)
E-1	W+ W+	no spin		(2)	(3)				(1)
E-2	W+ + no spin			(3)					(1)
E-3	W+ W+	no spin		(1)	(3)	(1)	(3)		(1)