

MAIZ

Caracterización de Híbridos Comerciales

**Comportamiento en siembras tempranas
y tardías**

IV Jornada Actualización en Maíz y Soja

Lares SRL

Pergamino- Julio 2016

Argentina: Región Maicera



Origen y Ordenamiento

ENSAYOS

Años	n				
	Rinde	Q	V	Roya	Prolif.
2008/2009		44	30	3	6
2009/2010		32	29	10	43
2010/2011		28	21	11	38
2011/2012		36	28	13	39
2012/2013	330	42	33	34	44
2013/2014	241	54	50	16	42
2014/2015	211	32	22	17	45
2015/2016	72	31	30	10	30
TOTAL	854	299	273	114	287

FUENTES

- ✓ INTA
- ✓ CREA
- ✓ AAPRESID
- ✓ AFA
- ✓ Cambio Rural
- ✓ Escuelas Agropecuarias
- ✓ Grupos Consultores
- ✓ Productores

MR	Ambiente (qq/ha)
	< 80
< 118	80-110
	> 110
119-122	80-110
	> 110
	< 80
> 123	80-110
	> 110
S.Temprana	S.Tardía

SIEMBRA TEMPRANA

hasta 20/11

n=636

Ciclos cortos (MR < 118)

Ambiente < 80 qq/ha		Ambiente 80-110 qq/ha		Ambiente > 110 qq/ha	
AX 7761 TDMax	7264	AX 7822 TD/TG	10064	AX 7761 TDMax	13016
KM 3800 GL	7263	AX 7761 TDMax	9985	AX 7822 TD/TG	12870
DK 670 VT3P	7094	I 880 MGRR2	9914	DK 670 VT3P	12854
AM 8319 MGRR2	7064	AX 852 HX	9905	AX 852 MGRR2	12678
KM 3601 MGRR2	6901	KM 3800 GL	9849	I 880 MGRR2	12676
I 550 MGRR2	6718	DK 66-10 VT3P	9735	AM 8319 MGRR2	12672
AX 7822 TD/TG	6594	DK 670 VT3P	9703	DK 66-10 VT3P	12216
DK 66-10 VT3P	6442	AX 887 TD/TG	9673	KM 3800 GL	12099
AX 852 HX	6274	AX 852 MGRR2	9635	AX 887 TD/TG	11984
AX 887 TD/TG	6165	AM 8319 MGRR2	9331	AX 852 HX	11865
AX 852 MGRR2	6137	KM 3601 MGRR2	9120	KM 3601 MGRR2	10662

65.0

97.4

125.8

Ciclos intermedios (MR 119-122)



Ambiente < 80 qq/ha

DK 692 VT3P	7175
ARV 2489 MGRR2	7099
DK 72-10 VT3P	7030
LT 722 VT3P	6992
ACA 470 VT3P	6928
DK 72-50 VT3P	6897
LT 719 VT3P	6888
ACA 474 VT3P	6846
KM 4200 GL	6795
DK 70-10 VT3P	6705
DM 2738 MGRR2	6703
ARV 2458 HXRR2	6605
ACA 468 MGRR2	6565
ADV 8112 VT3P	6430
SPS 2727 TD/TG	6355
ARV 2180 MGRR2	6297
SYN 840 TD/TG	6210
DS 508 PW	6199
PAN 4842 HR	6005
SRM 56-20 MGRR2	5974
ARV 2310 MGRR2	5887
DM 2741 MGRR2	5841
DS 505 PW	5741
SYN 860 TD/TG	5270
P 1780 HR	4724

62.1

Ambiente 80-110 qq/ha

LT 722 VT3P	10531
DK 72-10 VT3P	10223
DK 72-50 VT3P	10159
P 1780 HR	10029
DK 70-10 VT3P	10004
ACA 474 VT3P	9962
DM 2738 MGRR2	9930
ACA 470 VT3P	9924
DS 508 PW	9838
ACA 468 MGRR2	9812
DK 692 VT3P	9805
ARV 2489 MGRR2	9788
KM 4200 GL	9770
LT 719 VT3P	9736
SRM 56-20 MGRR2	9725
ADV 8112 VT3P	9675
PAN 4842 HR	9665
ARV 2310 MGRR2	9642
ARV 2458 HXRR2	9603
SPS 2727 TD/TG	9571
SYN 860 TD/TG	9479
SYN 840 TD/TG	9473
DM 2741 MGRR2	9416
ARV 2180 MGRR2	9258
DS 505 PW	9012

97.7

Ambiente > 110 qq/ha

LT 722 VT3P	13236
ACA 474 VT3P	13182
DK 72-10 VT3P	13170
ACA 470 VT3P	13104
ACA 468 MGRR2	12897
DK 70-10 VT3P	12846
DM 2738 MGRR2	12813
SRM 56-20 MGRR2	12785
ARV 2489 MGRR2	12784
P 1780 HR	12752
SYN 860 TD/TG	12718
DK 692 VT3P	12707
ARV 2458 HXRR2	12577
ARV 2180 MGRR2	12514
SYN 840 TD/TG	12502
PAN 4842 HR	12463
DS 505 PW	12431
DK 72-50 VT3P	12422
KM 4200 GL	12392
LT 719 VT3P	12380
ARV 2310 MGRR2	12376
ADV 8112 VT3P	12244
SPS 2727 TD/TG	12242
DS 508 PW	12229
DM 2741 MGRR2	11724

125.9

Ciclos largos (MR >123)



Ambiente < 80 qq/ha

DS 507 PW	7204
LT 626 VT3P	7124
Avalon PW	7055
I 887 VT3P	6935
P 2058 YR	6852
DM 2771 VT3P	6764
SYN 969 TD/TG	6690
LT 632 MGRR2	6633
I 797 VT3P	6587
P 2069 YR	6521
DK 73-10 VT3P	6514
NK 900 Vip 3	6435
KM 4500 GL	6388
SPS 2736 TD/TG	6265
SRM 566 MGRR2	6246
DK 747 VT3P	6195
DS 510 PW	6037
ARV 2194 HXRR2	5904
ARV 2155 HXRR2	5863
Biomaíz 650 BT	5862
SYN 960 TD/TG	5453
AG 7004 MGRR2	5284

61.6

Ambiente 80-110 qq/ha

I 887 VT3P	10452
KM 4500 GL	10141
SRM 566 MGRR2	10092
LT 626 VT3P	10072
NK 900 Vip 3	9994
SYN 969 TD/TG	9932
LT 632 MGRR2	9854
SPS 2736 TD/TG	9806
Avalon PW	9782
DM 2771 VT3P	9713
DS 507 PW	9671
P 2058 YR	9631
DS 510 PW	9618
ARV 2194 HXRR2	9573
DK 747 VT3P	9568
ARV 2155 HXRR2	9544
DK 73-10 VT3P	9539
SYN 960 TD/TG	9520
AG 7004 MGRR2	9451
P 2069 YR	9428
I 797 VT3P	9295
Biomaíz 650 BT	8861

97.2

Ambiente > 110 qq/ha

SRM 566 MGRR2	13088
I 797 VT3P	13039
DK 73-10 VT3P	12884
I 887 VT3P	12859
DS 510 PW	12780
DS 507 PW	12734
KM 4500 GL	12631
Avalon PW	12603
LT 626 VT3P	12597
DM 2771 VT3P	12507
DK 747 VT3P	12485
LT 632 MGRR2	12454
P 2058 YR	12453
SYN 969 TD/TG	12392
AG 7004 MGRR2	12370
NK 900 Vip 3	12366
ARV 2155 HXRR2	12357
SYN 960 TD/TG	12170
P 2069 YR	12048
Biomaíz 650 BT	11939
SPS 2736 TD/TG	11717
ARV 2194 HXRR2	11592

124.3

SIEMBRA TARDIA

desde 20/11

n= 218

Ciclos cortos (MR < 118)

n=272

Ambiente < 80 qq/ha		Ambiente 80-110 qq/ha		Ambiente >110 qq/ha	
AX 7761 TDMax	7306	I 880 MGRR2	10220	AX 7761 TDMax	13157
AX 7822 TD/TG	7267	DK 670 VT3P	10123	I 880 MGRR2	12788
DK 66-10 VT3P	7169	AX 7822 TD/TG	10048	KM 3800 GL	12690
AX 852 MGRR2	6999	DK 66-10 VT3P	9654	AX 852 MGRR2	12160
I 880 MGRR2	6904	AM 8319 MGRR2	9287	DK 66-10 VT3P	12096
DK 670 VT3P	6820	AX 852 MGRR2	9166	AM 8319 MGRR2	11965
AX 852 HX	6752	AX 887 TD/TG	8909	AX 7822 TD/TG	11738
AM 8319 MGRR2	6691	KM 3800 GL	8803	AX 887 TD/TG	11605
AX 887 TD/TG	6445	AX 7761 TDMax	8660	DK 670 VT3P	11082
KM 3800 GL	6351	AX 852 HX	8647	AX 852 HX	9156

68.3

94.8

119.6

Ciclos intermedios (MR 119-122)



Ambiente < 80 qq/ha

LT 722 VT3P	7826
AG 9005 Bt	7512
ARV 2180 MGRR2	7496
LT 719 VT3P	7328
ACA 474 VT3P	7309
Buyan PW	7282
DK 72-10 VT3P	7276
LT 621 MGRR2	7116
DK 72-50 VT3P	7089
DS 505 PW	7081
DK 70-10 VT3P	7077
ADV 8112 VT3P	7050
LT 623 VT3P	6990
DK 71-10 VT3P	6925
DS 508 PW	6819
SYN 840 TD/TG	6775
SYN 860 TD/TG	6761
DM 2738 MGRR2	6680
ACA 470 VT3P	6657
DK 692 VT3P	6637
ACA 468 MGRR2	6613
SRM 56-20 MGRR2	6581
SPS 2727 TD/TG	6521
ARV 2458 HXRR2	5925

67.7

Ambiente 80-110 qq/ha

AG 9005 Bt	10475
DK 72-10 VT3P	10195
ACA 470 VT3P	10007
DK 71-10 VT3P	9997
LT 621 MGRR2	9971
DK 692 VT3P	9954
LT 722 VT3P	9936
ADV 8112 VT3P	9903
ACA 474 VT3P	9886
DK 70-10 VT3P	9843
DK 72-50 VT3P	9825
DS 508 PW	9799
LT 719 VT3P	9740
DS 505 PW	9684
ARV 2180 MGRR2	9643
ACA 468 MGRR2	9562
LT 623 VT3P	9512
SRM 56-20 MGRR2	9373
DM 2738 MGRR2	9176
SYN 840 TD/TG	9169
SPS 2727 TD/TG	9128
SYN 860 TD/TG	9090
Buyan PW	8617
ARV 2458 HXRR2	8604

94.4

Ambiente >110 qq/ha

DK 72-50 VT3P	13549
Buyan PW	13072
ADV 8112 VT3P	13032
DK 72-10 VT3P	12829
DM 2738 MGRR2	12743
AG 9005 Bt	12740
ACA 470 VT3P	12553
ARV 2180 MGRR2	12472
DK 70-10 VT3P	12431
DK 692 VT3P	12418
LT 621 MGRR2	12398
LT 719 VT3P	12349
LT 722 VT3P	12333
ACA 468 MGRR2	12258
DK 71-10 VT3P	12115
ACA 474 VT3P	12059
LT 623 VT3P	12008
SPS 2727 TD/TG	12003
DS 508 PW	11859
DS 505 PW	11635
SRM 56-20 MGRR2	11588
SYN 860 TD/TG	11578
SYN 840 TD/TG	11520
ARV 2458 HXRR2	11170

120.7

Ciclos largos (MR >123)



Ambiente < 80 qq/ha		Ambiente 80-110 qq/ha		Ambiente >110 qq/ha	
67.4	DK 747 VT3P	7406	94.1	I 797 VT3P	10616
	I 797 VT3P	7362		I 887 VT3P	10414
	DS 510 PW	7258		DK 747 VT3P	10304
	I 887 VT3P	7227		DK 73-10 VT3P	10084
	DM 2771 VT3P	7225		DS 510 PW	10024
	DK 73-10 VT3P	7206		DM 2771 VT3P	9839
	DS 507 PW	7141		LT 626 VT3P	9823
	LT 626 VT3P	7051		Avalon PW	9485
	AG 7004 MGRR2	6880		SRM 566 MGRR2	9424
	Avalon PW	6811		AG 7004 MGRR2	9379
	SRM 566 MGRR2	6596		DS 507 PW	9218
	SYN 960 TD/TG	6500		KM 4321 GL	9149
	ARV 2183 MGRR2	6465		SYN 969 TD/TG	9142
	SPS 2879 TD/TG	6452		ARV 2155 HXRR2	8931
	ARV 2194 HXRR2	6311		NK 900 Vip 3	8914
	SPS 2736 TD/TG	6273		ARV 2194 HXRR2	8727
	NK 900 Vip 3	6126		SPS 2879 TD/TG	8652
	ARV 2155 HXRR2	6062		ARV 2183 MGRR2	8642
	ACA 493 MGRR2	5987		ACA 493 MGRR2	8639
	KM 4321 GL	5895		SYN 960 TD/TG	8563
	SYN 969 TD/TG	5882		ACA 498 MGRR2	8462
	Biomaíz 650 BT	5840		SPS 2736 TD/TG	8371
	ACA 498 MGRR2	5051		Biomaíz 650 BT	8171
119.6				SPS 2879 TD/TG	13340
				DK 747 VT3P	13210
				LT 626 VT3P	12637
				I 887 VT3P	12428
				ARV 2183 MGRR2	12417
				DM 2771 VT3P	12293
				Avalon PW	12284
				AG 7004 MGRR2	12256
				ACA 498 MGRR2	12201
				DK 73-10 VT3P	12186
				Biomaíz 650 BT	12174
				SRM 566 MGRR2	12136
				SYN 960 TD/TG	12090
				DS 510 PW	12011
				ARV 2194 HXRR2	12006
				DS 507 PW	11577
				KM 4321 GL	11505
				NK 900 Vip 3	11494
				SYN 969 TD/TG	11270
				ARV 2155 HXRR2	10972
				I 797 VT3P	10849
				SPS 2736 TD/TG	10822
				ACA 493 MGRR2	1208

COMPARACIÓN

SIEMBRA TEMPRANA vs TARDIA



Ciclos cortos (MR < 118)

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Ambiente < 80 qq/ha

AX 7761 TDMaX	7264
KM 3800 GL	7263
DK 670 VT3P	7094
AM 8319 MGRR2	7064

65.0

AX 7822 TD/TG	6594
DK 66-10 VT3P	6442
AX 887 TD/TG	6165
AX 852 MGRR2	6137

Ambiente 80-110 qq/ha

AX 7822 TD/TG	10064
AX 7761 TDMaX	9985
I 880 MGRR2	9914
KM 3800 GL	9849

97.4

DK 66-10 VT3P	9735
DK 670 VT3P	9703
AX 887 TD/TG	9673
AX 852 MGRR2	9635
AM 8319 MGRR2	9331

Ambiente > 110 qq/ha

AX 7761 TDMaX	13016
AX 7822 TD/TG	12870
DK 670 VT3P	12854
AX 852 MGRR2	12678

125.8

I 880 MGRR2	12676
AM 8319 MGRR2	12672
DK 66-10 VT3P	12216
KM 3800 GL	12099
AX 887 TD/TG	11984

Ambiente < 80 qq/ha

AX 7761 TDMaX	7306
AX 7822 TD/TG	7267
DK 66-10 VT3P	7169
AX 852 MGRR2	6999

68.3

I 880 MGRR2	6904
DK 670 VT3P	6820
AM 8319 MGRR2	6691
AX 887 TD/TG	6445
KM 3800 GL	6351

Ambiente 80-110 qq/ha

I 880 MGRR2	10220
DK 670 VT3P	10123
AX 7822 TD/TG	10048
DK 66-10 VT3P	9654

94.8

AM 8319 MGRR2	9287
AX 852 MGRR2	9166
AX 887 TD/TG	8909
KM 3800 GL	8803
AX 7761 TDMaX	8660

Ambiente >110 qq/ha

AX 7761 TDMaX	13157
I 880 MGRR2	12788
KM 3800 GL	12690
AX 852 MGRR2	12160

119.6

DK 66-10 VT3P	12096
AM 8319 MGRR2	11965
AX 7822 TD/TG	11738
AX 887 TD/TG	11605
DK 670 VT3P	11082

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Ciclos intermedios (MR 119-122)



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Ambiente < 80 qq/ha		Ambiente 80-110 qq/ha		Ambiente > 110 qq/ha	
DK 692 VT3P	7175	LT 722 VT3P	10531	LT 722 VT3P	13236
DK 72-10 VT3P	7030	DK 72-10 VT3P	10223	ACA 474 VT3P	13182
LT 722 VT3P	6992	DK 72-50 VT3P	10159	DK 72-10 VT3P	13170
ACA 474 VT3P	6928	DK 70-10 VT3P	10004	ACA 470 VT3P	13104
DK 72-50 VT3P	6897	ACA 474 VT3P	9962	ACA 468 MGRR2	12897
LT 719 VT3P	6888	DM 2738 MGRR2	9930	DK 70-10 VT3P	12846
ACA 474 VT3P	6846	ACA 470 VT3P	9924	DM 2738 MGRR2	12813
DK 70-10 VT3P	6705	DS 508 PW	9838	DK 692 VT3P	12707
DM 2738 MGRR2	6703	ACA 468 MGRR2	9812	ARV 2180 MGRR2	12514
ACA 468 MGRR2	6565	DK 692 VT3P	9805	DS 505 PW	12431
ADV 8112 VT3P	6430	LT 719 VT3P	9736	DK 72-50 VT3P	12422
ARV 2180 MGRR2	6297	ADV 8112 VT3P	9675	LT 719 VT3P	12380
DS 508 PW	6199	ARV 2180 MGRR2	9258	ADV 8112 VT3P	12244
DS 505 PW	5741	DS 505 PW	9012	DS 508 PW	12229

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97.7

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Ambiente < 80 qq/ha		Ambiente 80-110 qq/ha		Ambiente >110 qq/ha	
LT 722 VT3P	7826	DK 72-10 VT3P	10195	DK 72-50 VT3P	13549
ARV 2180 MGRR2	7496	ACA 470 VT3P	10007	ADV 8112 VT3P	13032
LT 719 VT3P	7328	DK 692 VT3P	9954	DK 72-10 VT3P	12829
ACA 474 VT3P	7309	LT 722 VT3P	9936	DM 2738 MGRR2	12743
DK 72-10 VT3P	7276	ADV 8112 VT3P	9903	ACA 470 VT3P	12553
DK 72-50 VT3P	7089	ACA 474 VT3P	9886	ARV 2180 MGRR2	12472
DS 505 PW	7081	DK 70-10 VT3P	9843	DK 70-10 VT3P	12431
DK 70-10 VT3P	7077	DK 72-50 VT3P	9825	DK 692 VT3P	12418
ADV 8112 VT3P	7050	DS 508 PW	9799	LT 719 VT3P	12349
DS 508 PW	6819	LT 719 VT3P	9740	LT 722 VT3P	12333
DM 2738 MGRR2	6680	DS 505 PW	9684	ACA 468 MGRR2	12258
ACA 470 VT3P	6657	ARV 2180 MGRR2	9643	ACA 474 VT3P	12059
DK 692 VT3P	6637	ACA 468 MGRR2	9567	DS 508 PW	11859
ACA 468 MGRR2	6613	DM 2738 MGRR2	9176	DS 505 PW	11635

67.7

94.4

120.7



Ciclos largos (MR >123)

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Ambiente < 80 qq/ha			Ambiente 80-110 qq/ha			Ambiente > 110 qq/ha		
61.6	DS 507 PW	7204	97.2	I 887 VT3P	10452	124.3	SRM 566 MGRR2	13088
	LT 626 VT3P	7124		SRM 566 MGRR2	10092		I 797 VT3P	13039
	Avalon PW	7055		LT 626 VT3P	10072		DK 73-10 VT3P	12884
	I 887 VT3P	6935		NK 900 Vip 3	9994		I 887 VT3P	12859
	DM 2771 VT3P	6764		SYN 969 TD/TG	9932		DS 510 PW	12780
	SYN 969 TD/TG	6690		Avalon PW	9782		DS 507 PW	12734
	I 797 VT3P	6587		DM 2771 VT3P	9713		Avalon PW	12603
	DK 73-10 VT3P	6514		DS 507 PW	9671		LT 626 VT3P	12597
	NK 900 Vip 3	6435		DS 510 PW	9618		DM 2771 VT3P	12507
	SRM 566 MGRR2	6246		ARV 2194 HXRR2	9573		DK 747 VT3P	12485
	DK 747 VT3P	6195		DK 747 VT3P	9568		SYN 969 TD/TG	12392
	DS 510 PW	6037		DK 73-10 VT3P	9539		AG 7004 MGRR2	12370
	ARV 2194 HXRR2	5904		AG 7004 MGRR2	9451		NK 900 Vip 3	12366
	AG 7004 MGRR2	5284		I 797 VT3P	9295		ARV 2194 HXRR2	11592

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Ambiente < 80 qq/ha			Ambiente 80-110 qq/ha			Ambiente >110 qq/ha		
67.4	DK 747 VT3P	7406	94.1	I 797 VT3P	10616	119.0	DK 747 VT3P	13210
	I 797 VT3P	7362		I 887 VT3P	10414		LT 626 VT3P	12637
	DS 510 PW	7258		DK 747 VT3P	10304		I 887 VT3P	12428
	I 887 VT3P	7227		DK 73-10 VT3P	10084		DM 2771 VT3P	12293
	DM 2771 VT3P	7225		DS 510 PW	10024		Avalon PW	12284
	DK 73-10 VT3P	7206		DM 2771 VT3P	9839		AG 7004 MGRR2	12256
	DS 507 PW	7141		LT 626 VT3P	9823		DK 73-10 VT3P	12186
	LT 626 VT3P	7051		Avalon PW	9485		SRM 566 MGRR2	12136
	AG 7004 MGRR2	6880		SRM 566 MGRR2	9424		DS 510 PW	12011
	Avalon PW	6811		AG 7004 MGRR2	9379		ARV 2194 HXRR2	12006
	SRM 566 MGRR2	6596		DS 507 PW	9218		DS 507 PW	11577
	ARV 2194 HXRR2	6311		SYN 969 TD/TG	9142		NK 900 Vip 3	11494
	NK 900 Vip 3	6126		NK 900 Vip 3	8914		SYN 969 TD/TG	11270
	SYN 969 TD/TG	5882		ARV 2194 HXRR2	8727		I 797 VT3P	10849

Siembra Temprana vs Tardía

Campañas 2012/13/14

Campañas 2013/14/15

MR < 118

	<80 qq/ha	80-110 qq/ha	>110 qq/ha
Temprana	56.9	96.5	124.5
Tardía	66.1	93.4	119.9
	9.2	3.0	4.6
	16.1%	3.2%	3.7%

	<80 qq/ha	80-110 qq/ha	>110 qq/ha
Temprana	65.0	97.4	125.8
Tardía	68.3	94.8	119.6
	3.3	2.6	6.2
	5.0%	2.6%	4.9%

MR 119-122

	<80 qq/ha	80-110 qq/ha	>110 qq/ha
Temprana	58.2	97.1	124.8
Tardía	66.2	92.8	119.2
	8.0	4.3	5.6
	13.7%	4.4%	4.4%

	<80 qq/ha	80-110 qq/ha	>110 qq/ha
Temprana	62.1	97.7	125.9
Tardía	67.7	94.4	120.7
	5.6	3.3	5.2
	9.0%	3.0%	4.1%

MR >123

	<80 qq/ha	80-110 qq/ha	>110 qq/ha
Temprana	69.4	96.7	124.5
Tardía	65.7	93.3	119.4
	3.7	3.4	5.1
	5.3%	3.5%	4.1%

	<80 qq/ha	80-110 qq/ha	>110 qq/ha
Temprana	61.6	97.2	124.3
Tardía	67.4	94.1	119.0
	5.8	3.2	5.3
	9.4%	3.2%	4.2%

Quebrado – Volcado - Roya

(promedio del híbrido vs promedio del lote)

Referencias



Verde: $X \text{ del híbrido} < a \text{ la } X \text{ del lote}$



Amarillo: $X \text{ del híbrido} = a \text{ la } X \text{ del lote}$



Colorado: $X \text{ del híbrido} > a \text{ la } X \text{ del lote}$



Gris: $X \text{ del lote}$



Quebrado: Lotes con > 10%

(Promedio del híbrido vs Promedio del lote)

DK 66-10 VT3P	6.7	10.6	AX 7822 TD/TG	7.8		P 1780 HR	13.0	11.4	SPS 2736 TD/TG	18.6	
P 1778 YR	5.9		LT 621 MGRR2	8.9	14.0	ADV 8101 MGRR2	20.6		DM 2738 MGRR	15.3	14.1
Baltos HX	5.0	11.6	DM 2741 MGRR2	12.8		KM 3800 GL	11.9	11.8	PAN 4842 HR	15.5	
SYN 860 TD/TG	6.5		NK 900 Vip 3	13.4	14.3	KM 4200 GL	30.9		ACA 468 MGRR2	17.9	14.3
ARV 2458 HXRR2	11.7	11.8	Biomaíz 650 BT	7.5		DK 670 VT3P	29.9		ARV 2155 HXRR2	17.1	
SRM 56-20 MGRR2	11.1		ACA 480 MGRR2	11.7	14.4	DK 71-10 VT3P	16.2	12.2	SPS 2879 TD/TG	17.0	14.6
SYN 840 TD/TG	9.1	12.1	ACA 470 VT3P	14.0		DS 507 PW	12.7	12.4	P 1845 YR	20.0	
DK 72-10 VT3P	8.0		SYN 969 TD/TG	14.0		DK 70-10 VT3P	23.6		I 887 VT3P	20.0	15.0
DK 72-50 VT3P	12.3	12.4	AX 852 MGRR2	10.7	14.6	LT 722 VT3P	18.4	12.7	ACA 417 MGRR2	15.4	15.3
SPS 2727 TD/TG	11.9		SYN 960 TD/TG	11.1		ADV 8112 VT3P	17.5		KM 4321 GL	16.1	15.6
Avalon PW	5.0	12.6	I 880 MGRR2	14.2		I 797 VT3P	13.9	13.2	ARV 2310 MGRR2	20.1	15.8
DK 73-10 VT3P	9.1		SRM 566 MGRR2	9.5	15.0	DS 538 PW	13.7		KM 3601 MGRR2	17.5	17.4
LT 719 VT3P	5.5	12.7	LT 623 VT3P	13.5		DK 692 VT3P	14.5	13.4	KM 4500 GL	22.9	
DK 747 VT3P	7.7		ARV 2180 MGRR2	1.0	15.3	ARV 2194 HXRR2	21.4		AG 9005 Bt	42.3	17.8
DM 2771 VT3P	6.3	13.1	ACA 498 MGRR2	11.9		DS 510 PW	17.8	13.7	ACA 493 MGRR2	43.5	19.2
AX 887 MG	9.4		KM 4020 GL	15.0	15.5	LT 632 MGRR2	18.4	13.9			
LT 626 VT3P	10.2	13.3	AG 7004 MGRR2	8.8	16.2						
P 2053 YR	11.5		AX 7918 VT3P	10.8							
SRM 553 MGRR2	12.4		AM 8319 MGRR2	8.2	16.8						
DS 505 PW	12.5	13.6	DS 508 PW	15.9	17.3						
P 2069 YR	13.6	13.9	SPS 2866 TDMax	9.9	20.9						

Los híbridos marcados en colorado, amarillo y verde indican la posición que tienen en el cuadro Quebrado: Lotes con < 10%

[illegible]

Vuelco: Lotes con > 10%

(Promedio del híbrido vs Promedio del lote)



DK 72-50 VT3P	5.0	13.2
ADV 8112 VT3P	10.0	
Baltos HX	10.0	
LT 632 MGRR2	11.3	15.3
DM 2741 MGRR2	12.2	
KM 3800 GL	12.6	
AX 7822 TD/TG	4.4	16.6
DK 747 VT3P	13.9	18.5
AG 9005 Bt	15.0	
AX 7761 TDMax	0.0	
SYN 969 TD/TG	4.0	21.2
DM 2738 MGRR2	19.3	24.3
DK 73-10 VT3P	19.8	24.9
ARV 2155 HXRR2	7.5	26.4
P 1780 HR	20.0	27.4
SYN 840 TD/TG	6.3	28.0

LT 623 VT3P	17.3	28.0
LT 626 VT3P	22.3	
ACA 470 VT3P	22.1	28.7
KM 4500 GL	24.8	
DK 72-10 VT3P	25.9	30.1
NK 900 Vip 3	13.7	31.9
DM 2771 VT3P	21.7	34.5
DK 70-10 VT3P	27.8	
I 887 VT3P	15.0	35.5
DK 66-10 VT3P	35.0	
P 2049 YR	5.0	39.6
AX 870 MGRR2	40.0	41.6
DK 692 VT3P	23.7	43.6
P 1778 YR	35.0	44.7
SYN 960 TD/TG	20.0	49.7
I 880 MGRR2	30.0	

ARV 2194 HXRR2	30.0	13.2
PAN 4842 HR		
SRM 553 MGRR2		
KM 4200 GL	23.5	15.3
SRM 566 MGRR2	20.0	17.2
DS 508 PW	53.8	18.5
AG 7004 MGRR2	50.0	
P 2053 YR	19.6	19.4
KM 4321 GL	25.0	24.9
DS 505 PW	36.4	
KM 4020 GL	46.6	
P 2069 YR	30.0	26.4
Avalon PW	37.5	27.4
DK 71-10 VT3P	38.3	28.0
AX 852 MGRR2	49.7	
DS 510 PW	47.3	30.1
KM 3601 MGRR2	40.7	30.5
LT 621 MGRR2	32.3	
SYN 860 TD/TG	33.3	31.5
AX 887 MG	50.5	38.0
P 1845 YR	70.0	45.7
P 2058 YR	70.0	49.7

Los híbridos marcados en colorado, amarillo y verde indican la posición que tienen en el cuadro Vuelco: Lotes con < 10%

Roya – Severidad – Lotes con < 10%

(Promedio del híbrido vs Promedio del lote)



P 2049 HR	0.2	1.0	ARV 2458 HXRR2	1.1		AG 7004 MGRR2	1.5	
P 1778 YR	0.6	1.6	ARV 2180 MGRR2	1.6	2.7	Buyan PW	2.6	1.4
AX 7918 V3TP	1.0		I 797 VT3P	2.3		P 1780 HR	2.2	2.1
LT 623 VT3P	0.8	1.7	SYN 860 TD/TG	2.0		Avalon PW	3.9	
DK 66-10 VT3P	1.3		DM 2738 MGRR2	2.1	2.8	DK 670 VT3P	3.1	2.2
ACA 493 MGRR2	1.1	1.9	AG 9005 Bt	2.6		DK 72-10 VT3P	2.8	2.3
ACA 474 VT3P	1.5		AX 870 MGRR2	2.3	3.0	ACA 480 MG	3.9	
ARV 2183 MGRR2	0.5		SPS 2879 TD/TG	2.4		AX 852 MGRR2	2.8	2.5
AX 7761 TDMax	1.0		DK 72-50 VT3P	2.4	3.2	P 1845 YR	2.9	
ARV 2489 MGRR2	1.2		SRM 553 MGRR2	3.1		SPS 2727 TD/TG	3.3	2.6
Biomaíz 650 BT	1.4	2.0	AM 8319 MGRR2	1.7		DK 71-10 VT3P	6.6	
LT 722 VT3P	1.4		AD-615 A MGRR2	2.0	3.3	DK 70-10 VT3P	3.1	2.7
ACA 468 MGRR2	1.6		I 887 VT3P	3.1		DS 505 PW	4.9	
LT 719 VT3	1.6		LT 632 MGRR2	1.9		DK 747 VT3P	4.0	2.8
AX 7822 TD/TG	1.6	2.1	ARV 2194 HXRR2	2.1	3.4	DM 2771 VT3P	3.5	2.9
LT 621 MGRR2	1.7		KM 4321 GL	3.1		DS 510 PW	3.7	
PAN 4842 HR	0.8	2.2	DS 508 PW	2.5	3.5	KM 4020 GL	4.3	3.0
ACA 470 VT3P	2.1		NK 900 Vip 3	2.8		I 880 MGRR2	6.5	
LT 626 VT3P	0.8	2.3	P 2053 YR	1.6		ARV 2310 MGRR2	4.0	3.2
SRM 566 MGRR2	0.9		KM 4200 GL	3.0	3.6	P 2069 YR	4.1	3.5
SRM 56-20 MGRR2	1.2		SYN 969 TD/TG	3.3		KM 4500 GL	4.0	
ARV 2155 HXRR2	2.0		SYN 960 TD/TG	3.1	3.9	ACA 417 MGRR2	9.5	3.8
SYN 840 TD/TG	2.1	2.4	DS 507 PW	3.3		DK 73-10 VT3P	4.1	
ACA 498 MG	1.7	2.5	SPS 2866 TD/TG	3.0	4.3	DM 2741 MGRR2	5.0	
DK 692 VT3P	2.2		P 2058 Y	1.8	4.8	ADV 8112 VT3P	6.6	4.1
Baltos HX	1.7		KM 3800 GL	5.0	5.1	KM 3601 MGRR2	13.3	4.5
SPS 2736 TD/TG	1.8	2.6				ADV 8101 MGRR2	9.0	5.7
AX 887 TD/TG	1.9							

Roya – Severidad – Lotes con > 10%

(Promedio del híbrido vs Promedio del lote)

AX 7918 VT3P	4.2	10.2
Biomaíz 650 BT	6.0	
SRM 566 MGRR2	0.7	11.4
AX 7761 TDMax	0.9	
AX 7822 TD/TG	3.4	
I 797 VT3P	6.5	
ARV 2489 MGRR2	6.6	
SYN 840 TD/TG	6.6	
ACA 474 VT3P	7.0	
LT 722 VT3P	7.1	
ACA 468 MGRR2	10.0	
LT 719 VT3P	11.4	
I 887 VT3P	10.0	11.7
AM 8319 MGRR2	1.0	12.2
LT 632 MGRR2	3.4	
AD-615 A MGRR2	8.0	

P 1780 HR	0.0	12.6
LT 623 VT3P	0.9	
SRM 56-20 MGRR2	1.0	
ARV 2458 HXRR2	4.2	
LT 621 MGRR2	8.0	18.1
ARV 2180 MGRR2	3.9	
ARV 2310 MGRR2	7.4	
AX 852 MGRR2	11.4	20.8
P 2053 YR	0.9	
DK 692 VT3P	15.3	21.0
AX 887 TD/TG	4.2	
P 1845 YR	11.0	29.4
AX 870 MGRR2	0.0	
SPS 2736 TD/TG	3.3	
P 2049 HR	16.7	
DS 510 PW	20.0	
SPS 2879 TD/TG	26.7	

Buyan PW	22.0	10.2
ACA 470 VT3P	16.0	11.4
ACA 493 MGRR2	20.5	
DS 505 PW	25.5	12.2
ACA 417 MGRR2	19.0	
I 880 MGRR2	19.0	
KM 3601 MGRR2	23.0	16.1
DM 2378 MGRR2	17.7	
DK 72-10 VT3P	21.6	17.4
Avalon PW	32.4	20.8
DM 2741 MGRR2	23.3	
ARV 2194 HXRR2	33.3	29.4
SRM 553 MGRR2	36.7	
ARV 2155 HXRR2	43.3	
NK 900 Vip 3	43.3	
DK 72-50 VT3P	46.3	
DK 747 VT3P	46.7	
DK 670 MGRR2	50.0	



Prolificidad (espigas/planta)

0.94 - 1.00	
KM 4020 GL	0.94
P 2053 YR	0.96
P 2069 YR	
ACA 498 MGRR2	0.97
DK 747 VT3P	
KM 4500 GL	
AX 870 MGRR2	0.98
DS 510 PW	
P 2058 Y	
ACA 417 MGRR2	0.99
ADV 8101 MGRR2	
AX 887 TD/TG	
Baltos PW	
DS 505 PW	
KM 4200 GL	
KM 4321 GL	
P 2049 HR	
SPS 2879 TD/TG	
ARV 2194 HXRR2	
ARV 2310 MGRR2	1.00
DK 670 VT3P	
DS 508 PW	
KM 3601 MGRR2	
KM 3800 GL	

1.01 - 1.10			
AD-615 A MGRR2	1.01	AG 9005 Bt	1.04
ARV 2180 MGRR2		AX 7761 TDMax	
AX 852 MGRR2		SYN 860 TD/TG	
DK 71-10 VT3P		P 1845 YR	1.05
DS 507 PW		ADV 8112 VT3P	
I 880 MGRR2		ARV 2458 HXRR2	
SPS 2736 TD/TG	1.02	DM 2741 MGRR2	
SRM 553 MGRR2		SPS 2866 TD/TG	1.06
SYN 969 TD/TG		SYN 960 TD/TG	
ARV 2183 MGRR2	1.03	AX 7918 VT3P	1.07
NK 900 Vip 3		DK 72-10 VT3P	
ACA 480 MGRR2		Buyan PW	1.08
AG 7004 MGRR2		P 1780 HR	
ARV 2155 HXRR2		I 797 VT3P	1.09
Avalon PW		SRM 566 MGRR2	
AX 7822 TD/TG		ARV 2489 MGRR2	1.10
DK 72-50 VT3P		DK 73-10 VT3P	
DM 2771 VT3P		SYN 840 TD/TG	
DS 538 PW			
I 887 VT3P			
P 1778 YR			
PAN 4842 HR			

1.12 - 1.33	
DK 66-10 VT3P	1.12
SRM 56-20 MGRR2	
DK 70-10 VT3P	1.14
LT 722 VT3P	
AM 8319 MGRR2	1.16
Biomaíz 650 BT	
DK 692 VT3P	1.17
ACA 493 MGRR2	
LT 632 MGRR2	1.18
SPS 2727 TD/TG	
LT 719 VT3P	1.19
LT 623 VT3P	
LT 626 VT3P	1.22
LT 621 MGRR2	
ACA 474 VT3P	1.28
DM 2738 MGRR2	
ACA 470 VT3P	1.32
ACA 468 MGRR2	



Eventos Biotecnológicos



	M.Gard Mon810	TD MAX Bt 11	Herculex TC1507	Genuity VT3P Mon 88017 (CCR+NK603) x Mon 89	Agrisure Víptera 3 Bt11 x MIR162 x GA21	Power Core-PW Mon89 x TC1507 x NK603	Agrisure Víptera 2 Bt11 x MIR162	Optimun Leptra TC1507 x Mon810 x MIR162 x NK603
Diatraea saccharalis "barrenador de la caña"	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
Helicoverpa zea "isoca de la espiga"	XX	XX	X	XXx	XXX	XXx	XXX	XXX
Elasmopalpus lignosellus "gusano saltarín"	XXX						XXX	
Spodoptera frugiperda "gusano cogollero"	X	X	Xxx	XXx	XXX	XXx	XXX	XXX
Agrotis ipsilon "isoca grasienta"	XXX						XX	XX
Diabrotica speciosa "vaquita de San Antonio"	XXX							
Malezas	XXX (2)		XXX (2)	XXX (1)	XXX (1-2)	XXX (1-2)	XXX (2)	XXX (1-2)

Ref: (1) Glifosato (2) Glufosinato de amonio

Tizón – Severidad – Lotes con < 10%

< 1	1 - 2.4	2.5 -3.9	4 - 5.9	6 - 7
ACA 417 MGRR2 AG 9005 Bt ARV 2310 MG AX 870 MGRR2 AX 887 MG DK 70-10 VT3P KM 4020 GL P 1778 HR P 1780 Y P 1833 H SPS 2866 TDMaX SYN 969 TD/TG	ADV 8112 VT3P Avalon PW AX 7822 TDMaX AX 852 MGRR2 DK 72-10 VT3P DM 2738 MGRR2 DM 2771 VT3P DS 505 PW DS 510 PW LT 621 MGRR2 LT 626 VT3P LT 632 MGRR2 P 1845 YR SPS 2879 TD/TG SRM 566 MGRR2 SYN 840 TD/TG	ACA 496 MG ARV 2194 HXRR2 DK 692 VT3P DK72-50 VT3P DK747 VT3P DM 2741 MGRR2 DS 508 PW LT 623 VT3P NK 900 Víp 3 P 2049 Y P 2053 Y P 2069 YR PAN 4842 HR SRM 553 MG SYN 860 TD/TG	ARV 2155 HX DK 73-10 VT3P I 887 MG SPS 2736 TDMaX SYN 960 TDMaX	DK 71-10 VT3P I 880 MG KM 4321 GL

Tizón – Severidad – Lotes con > 10%

10 - 19.9	20 - 29.9	30 -39.9	> 40
AM 8319 MGRR2 ARV 2180 MG DK 670 MGRR2 ✓ DM 2738 MGRR2 ✓ DM 2741 MG ✓ DM 2771 VT3P ✓ Dow 505 PW KM 3601 MGCL ✓ KM 4020 L ✓ P 1778 HR ✓ P 1780 Y ✓ P 1833 H ✓ P 1845 YR ✓ P 2053 Y ✓ SPS 2736 TDMax	ARV 2183 MGRR2 ✓ DK 72-10 VT3P ✓ DK 747 VT3P ✓ I 887 MG ✓ NK 900 Víp 3	✓ AX 852 HCLMG ✓ DK 72-50 VT3P KM 4500 L ✓ SRM 566 MGRR2	✓ ARV 2155 HX ✓ ARV 2194 HXRR2 ✓ Avalon PW ✓ DK 71-10 VT3P ✓ DK 73-10 VT3P ✓ KM 4321 GL ✓ LT 623 VT3P ✓ LT 626 VT3P ✓ PAN 4842 HR

Carbón de la espiga (Ustilago maydis) Incidencia (%)

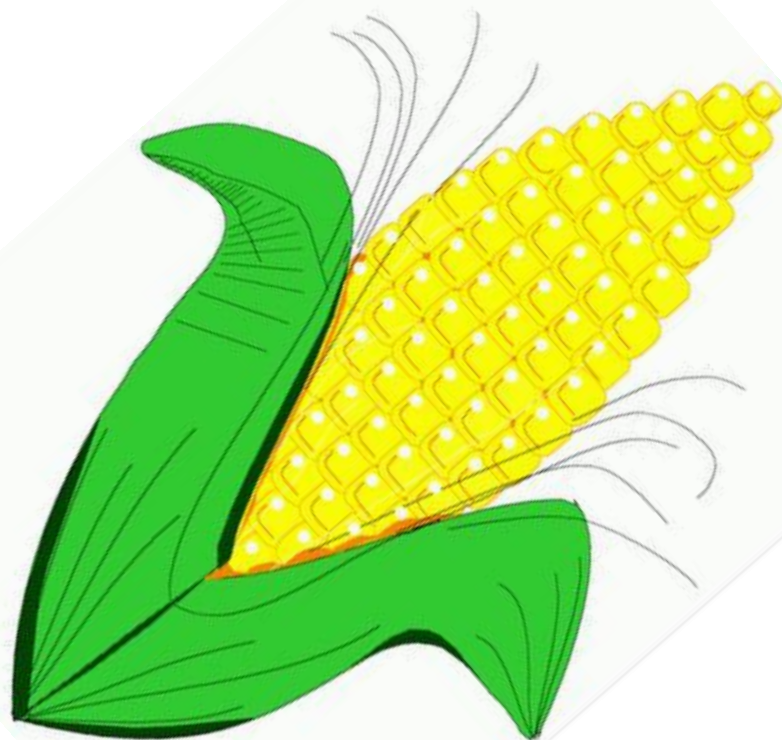
0 - 1	1.1 - 4.9	5 - 9.9	10 - 15	15-60
ACA 417 MGRR2	ACA 474 VT3P	ARV 2183 MGRR2	KM 4321 GL	✓ P 2069 YR
ACA 468 MGRR2	AM 8319 MGRR2	AX 7761 TDMax	P 1778 YR	P 2053 YR
ACA 470 MGRR2	ARV 2155 HX	Biomaiz 650 Bt	PAN 6607 YR	ARV 2180 MGRR2
ACA 470 VT3P	ARV 2180 MGRR2	I 887 VT3P	SPS 2736 TD/TG	✓ ARV 2183 MGRR2
ACA 496 MG	AX 7822 TDMax	KM 3601 MGRR2		✓ SYN 840 TD/TG
ARV 2180 MGRR2	AX 852 HX	P 1845 YR		✓ SYN 860 TD/TG
ARV 2194 HxRR2	AX 852 MGRR2	P 2069 YR		AX 7822 TDMax
ARV 2310 MGRR2	AX 870 MGRR2	SYN 840 TD/TG		✓ AX 7761 TDMax
Avalon PW	DK 747 MGRR2	SYN 860 TD/TG		LT 621 MGRR2
AX 887 MG	DS 505 PW			✓ KM 4321 GL
DK 670 VT3P	DS 508 PW			✓ Biomaiz 650 Bt
DK 692 VT3P	DS 510 PW			✓ SPS 2736 TD/TG
DK72-10 VT3P	I 797 VT3P			✓ PAN 6607 YR
DK 73-10 VT3P	I 880 MGRR2			✓ P 1845 YR
DM 2738 MGRR2	LT 621 MGRR2			Avalon PW
DM 2741 MGRR2	P 2053 YR			✓ P 1778 YR
I 893 MGRR2	PAN 4842 HR			✓ P 1778 YR
LT 623 VT3P	SPS 2727 TD/TG			
LT 626 VT3P	SRM 566 MGRR2			
LT 632 MGRR2				
NK 900 Víp 3				
PAN 6502 YR				
SPS 2727 TD/TG				
SPS 2736 TD/TG				
SRM 553 MG				

Green snapping (%)

0%	1-3%	4-6%	7-9%	10-15%
ACA 496 MG	ACA 468 MGRR2	ACA 498 MGRR2	ACA 470 VT3P	DK 72-10 VT3P
AG 7003 MGRR2	ACA 474 VT3P	DS 505 PW	AG 7004 MGRR2	I 797 VT3P
DM 2771 VT3P	AG 9005 Bt	DS 510 PW	DK 70-10 VT3P	KM 4020 GL
KM 3800 GL	DK 66-10 VT3P	LG 30820 MGRR2	DK 73-10 VT3P	
NK 900 Víp 3	I 887 VT3P	LT 623 VT3P	DS 508 PW	
SPS 2879 TD/TG	KM 4200 GL	SYN 840 TD/TG	LT 621 MGRR2	
	KM 4321 GL	SYN 960 TD/TG	SYN 860 TD/TG	
	KM 4500 GL			
	LT 626 VT3P			
	P 1845 YR			
	P 2049 H			
	P 2069 YR			

Mal de Río IV- Incidencia (%)

0%	1-5%	6-9%	10-15%	15-20%	30-35%
ACA 496 MG I 887 VT3P	ACA 468 MGRR2 DK 72-10 VT3P DK 73-10 VT3P I 797 VT3P KM 3800 GL LT 621 MGRR2 P 2049 H P 2069 YR SPS 2879 TD/TG SYN 840 TD/TG SYN 960 TD/TG	ACA 474 VT3P ACA 498 MGRR2 AG 7004 MGRR2 DK 70-10 VT3P DM 2771 VT3P KM 4020 GL KM 4321 GL KM 4500 GL LG 30820 MGRR2 P 1845 YR	ACA 470 VT3P AG 7003 MGRR2 AG 9005 Bt DS 505 PW DS 508 PW KM 4020 GL SYN 860 TD/TG	DK 66-10 VT3 DS 510 PW LT 623 VT3P LT 626 VT3P	NK900 Vípa 3



Ing.Agr.Gustavo Gaudio

Cel.02392-15618779

gustavo.gaudio@hotmail.com.ar