


## 2009 Corn Hybrid-Herbicide Management Guide

Under certain environmental conditions any hybrid can be injured by any herbicide. This guide can assist in selecting and managing herbicide programs. It is based on replicated research trials and field observations. See your Pioneer sales professional or herbicide representative regarding hybrid-herbicide combinations that require careful management.

PRODUCT	CRM <sup>1</sup>	Technology Segment <sup>2</sup>	Hybrid Family <sup>3</sup>	 End-Use Segment <sup>4</sup>	Herbicide Families			
					Amide <sup>5</sup>	Benzoic Acid and Phenoxy <sup>6</sup>	Isoxazole <sup>7</sup>	SU <sup>8</sup>
<b>P7213R*</b>	<b>72</b>	<b>RR2</b>	<b>P7213</b>					
39P78	72	YGCB	39P78		●	●	●	■
39F45	73		39F45		●	▼	●	■
39W54	74		39W54		●	▼	●	▼
39W55	74	YGCB	39W54		●	▼	●	▼
39M26	76	RR2	39M26		●	●	●	■
39M27	76	YGCB	39M26		●	●	●	■
39B64	76	HX1,LL,RR2	39B64		●	▼	●	▼
<b>39B61*</b>	<b>76</b>	<b>RR2</b>	<b>39B64</b>		●	▼	●	▼
39Z69	77	HX1,LL,RR2	39Z69					
39F60	78	YGCB,RR2	39F59	HAE	●	▼	●	▼
39F57	78	RR2	39F59	HAE	●	▼	●	▼
39D95	79	RR2	39D95		●	▼	●	▼
39D97	79	HX1,LL,RR2	39D95		●	▼	●	▼
39B93	79		39B93		●	■	●	▼
39B96	79	HX1,LL	39B93		●	■	●	▼
39B94	79	HX1,LL,RR2	39B93		●	■	●	▼
39B90	79	RR2	39B93		●	■	●	▼
39V07	<b>80</b>	HX1,LL,RR2	39V07					
39V08^	<b>83</b>	HXX,LL,RR2	39V07					
<b>39V05*</b>	<b>80</b>	<b>RR2</b>	<b>39V07</b>					
39J26	80		39J26		●	▼	●	●
39H86	82	HX1,LL,RR2	39H84	HAE	●	●	●	▼
39H83	82	RR2	39H84	HAE	●	●	●	▼
39K19	84	HX1,LL,RR2	39K19		●	■	●	■
39D81	86		39D81		●	▼	●	▼
39D85	86	HX1,LL,RR2	39D81	HTF	●	▼	●	▼
39D82	86	YGCB	39D81	HTF	●	▼	●	▼
39D80	86	RR2	39D81	HTF	●	▼	●	▼
39N98	89	RR2	39N98	HTF	●	●	●	●
39N99	89	HX1,LL,RR2	39N98	HTF	●	●	●	●
39B23	<b>89</b>	HX1,LL,RR2	39B23	HAE	●			
<b>39B22*</b>	<b>85</b>		<b>39B23</b>	<b>HAE</b>	●			
38B13	89	HX1,LL,RR2	38B12		●	●	●	●
38B14*^	89	HXX,LL,RR2	38B12		●	●	●	●
38B11	89	RR2	38B12		●	●	●	●
3845	91		3845		●	▼	▼	●
38N86	92		38N86	HAE,HTF	●	●	●	●
<b>38N88*</b>	<b>92</b>	<b>HX1,LL,RR2</b>	<b>38N86</b>	<b>HAE,HTF</b>	●	●	●	●
38N87	92	HX1,LL,RR2	38N86	HAE,HTF	●	●	●	●
38N85	92	RR2	38N86	HAE,HTF	●	●	●	●
38H08	92	HX1,LL,RR2	38H08	HTF				
<b>38H06*</b>	<b>92</b>	<b>RR2</b>	<b>38H08</b>	<b>HTF</b>				
38R49	93	RR2	38R49		●	▼	●	●
38R51	93	HX1,LL,RR2	38R49		●	▼	●	●
38M59	94	YGCB	38M59	YFC,HTF	▼	▼	●	●
38M60^	94	HXX,LL,RR2	38M59	YFC,HTF	▼	▼	●	●
38M58	94	HX1,LL,RR2	38M59	YFC,HTF	▼	▼	●	●
38K47	94	HX1,LL,RR2	38K46		●	●	●	●
38P43^	95	HXX,LL,RR2	38P43	HAE	●			

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<b>38P40*</b>	<b>95</b>	<b>RR2</b>	<b>38P43</b>	<b>HAE</b>	●			
38F33	96		38F33		●	▼	●	●
38F32	96	RR2	38F33		●	▼	●	●
38A57	97	HX1,LL,RR2	38A57	HTF	●			
<b>38A56*</b>	<b>97</b>		<b>38A57</b>	<b>HTF</b>	●			
<b>38A55*</b>	<b>97</b>	<b>RR2</b>	<b>38A57</b>	<b>HTF</b>	●			
37K84	97	RR2	37K84		●	▼	▼	▼
37D02	97	RR2	37D03	HTF	●	●	●	●
38B85	98		38B85	HAE,HTF	●	▼	▼	●
38B87^	98	HXX,LL,RR2	38B85	HAE,HTF	●	▼	▼	●
38B84	98	RR2	38B85	HAE,HTF	●	▼	▼	●
37Y12	99		37Y12	HAE,HTF	●	●	●	●
37Y17	99	HX1,LL	37Y12	HAE,HTF	●	●	●	●
37Y14^	99	HXX,LL,RR2	37Y12	HAE,HTF	●	●	●	●
37Y13	99	HX1,LL,RR2	37Y12	HAE,HTF	●	●	●	●
37Y11	99	RR2	37Y12	HAE,HTF	●	●	●	●
37V63^	99	HXX,LL,RR2	37V63	HAE	●		●	
37N16^	99	HXX,LL,RR2	37N15	HTF	●	■	●	●
37K11	99	HX1,LL,RR2	37K11	HAE,HTF	●		●	
<b>P0125XR*^</b>	<b>100</b>	<b>HXX,LL,RR2</b>	<b>P0125</b>	<b>HTF,HES</b>				
<b>P0125HR*</b>	<b>100</b>	<b>HX1,LL,RR2</b>	<b>P0125</b>	<b>HTF,HES</b>				
38H72^	100	HXX,LL,RR2	38H67	HTF	●	▼	●	●
38H66	100	RR2	38H67	HTF	●	▼	●	●
38H65	100	HX1,LL,RR2	38H67	HTF	●	▼	●	●
38H64	100	HX1,LL	38H67	HTF	●	▼	●	●
37N68^	101	HXX,LL,RR2	37N68	HAE	●		●	
37F76^	101	HXX,LL,RR2	37F73	HAE	●	●	●	●
37F75	101	HX1,LL,RR2	37F73	HAE	●	●	●	●
37F74	101	HX1,LL	37F73	HAE	●	●	●	●
<b>37F71*</b>	<b>101</b>	<b>HX1,LL,RR2</b>	<b>37F73</b>	<b>WX,HAE</b>	●	●	●	●
36Y26^	101	HXX,LL,RR2	36Y26	YFC,HAE	●		●	
36V75	102	HX1,LL,RR2	36V75	HAE	●	●	●	●
<b>36V73*</b>	<b>102</b>	<b>RR2</b>	<b>36V75</b>	<b>HAE</b>	●	●	●	●
36V51	102	RR2	36V51		●		●	
36V53	102	HX1,LL,RR2	36V51		●		●	
36Y86^	103	HXX,LL,RR2	36Y84	YFC,HAE,HTF	●	●	●	●
36K69	103	HX1,LL,RR2	36K67	HTF,HES	▼	●	●	●
<b>P0461XR*^</b>	<b>104</b>	<b>HXX,LL,RR2</b>	<b>P0461</b>	<b>HTF,HES</b>				
36W66	104		36W66	HAE	●	●	●	●
36W69^	104	HXX,LL,RR2	36W66	HAE	●	●	●	●
36W65	104	RR2	36W66	HAE	●	●	●	●
36H54	105	HX1,LL	36H54	HAE,HTF,HES	●	●	●	●
36H56^	105	HXX,LL,RR2	36H54	HAE,HTF,HES	●	●	●	●
35T05	105	RR2	35T06	HES	●	▼	●	●
35P17	105	LL	35P12	HAE	●	●	●	●
35P10	105	YGCB,RR2	35P12	HAE	●	●	●	●
35K33^	105	HXX,LL,RR2	35K33	HAE,HTF	●		●	
35F38	105		35F38	YFC,HAE,HTF	●	●	●	●
35F44^	105	HXX,LL,RR2	35F38	YFC,HAE,HTF	●	●	●	●
35F40	105	HX1,LL,RR2	35F38	YFC,HAE,HTF	●	●	●	●
35F37	105	RR2	35F38	YFC,HAE,HTF	●	●	●	●
35F36	105		35F38	WX,HAE,HTF	●	●	●	●
35K01	106	RR2	35K01	HAE,HTF	●	●	●	▼
35K04^	106	HXX,LL,RR2	35K01	HAE,HTF	●	●	●	▼
35K03	106	HX1,LL,RR2	35K01	HAE,HTF	●	●	●	▼
<b>35K02*</b>	<b>106</b>		<b>35K01</b>	<b>HAE,HTF</b>	●	●	●	▼
35A34^	106	HXX,LL,RR2	35A30	HTF,HES	●	●	●	●
35A32	106	HX1,LL,RR2	35A30	HTF,HES	●	●	●	●
35A29	106	RR2	35A30	HTF,HES	●	●	●	●
35H40	107	RR2	35H40	YFC,HTF,HES	●		●	
35H42	107	HX1,LL,RR2	35H40	YFC,HTF,HES	●		●	
35D26	107	HX1,LL,RR2	35D28	HTF,HES	●	▼	●	●
35D24	107		35D28	WX,HTF,HES	●	▼	●	●

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34N62	107	HX1,LL,RR2	34N62	HTF,HES	●		●	●
34M78	107		34M78	YFC,HAE,HTF,HES				
34Y02	108		34Y02	HTF,HES	●		●	●
34Y03	108	HX1,LL,RR2	34Y02	HTF,HES	●		●	●
34Y01	108	RR2	34Y02	HTF,HES	●		●	●
34K77	108		34K77	YFC	●	●	▼	●
34F29^	108	HXX,LL,RR2	34F29	HTF,HES	●	●	●	●
<b>34F26*</b>	<b>108</b>	<b>RR2</b>	<b>34F29</b>	<b>HTF,HES</b>	●	●	●	●
34D73	108	HX1,LL,RR2	34D71		●	●	●	●
34D68	108	RR2	34D71		●	●	●	●
<b>P0916XR*^</b>	<b>109</b>	<b>HXX,LL,RR2</b>	<b>P0916</b>	<b>HTF,HES</b>				
34R65	109	RR2	34R65	HAE,HTF,HES	●	▼	●	●
34R67	109	HX1,LL,RR2	34R65	HAE,HTF,HES	●	▼	●	●
34B38	109	RR2	34B38	HAE	●	●	●	●
34B41^	109	HXX,LL,RR2	34B38	HAE	●	●	●	●
34A85	109	RR2	34A85	HAE	●	●	●	●
34A89^	109	HXX,LL,RR2	34A85	HAE	●	●	●	●
34A15	109		34A15	YFC,HTF	●	●	●	●
34A20^	109	HXX,LL,RR2	34A15	YFC,HTF	●	●	●	●
34A17	109	HX1,LL,RR2	34A15	YFC,HTF	●	●	●	●
34A16	109	HX1,LL	34A15	YFC,HTF	●	●	●	●
34A14	109	RR2	34A15	YFC,HTF	●	●	●	●
34A12	109	HX1,LL	34A15	WX,HTF	●	●	●	●
34A11	109		34A15	WX,HTF	●	●	●	●
34H33	110	LL	34H31	YFC,HAE	●	▼	●	●
34F07	110	HX1,LL,RR2	34F07	HAE,HTF	●		●	●
34B99	110	HX1,LL	34B97	YFC,HAE,HTF	●	●	●	●
34B96	110	RR2	34B97	YFC,HAE,HTF	●	●	●	●
34B94	110	YGCB,RR2	34B97	YFC,HAE,HTF	●	●	●	●
<b>P1173HR*</b>	<b>111</b>	<b>HX1,LL,RR2</b>	<b>P1173</b>	<b>HAE,HTF,HES</b>				
<b>P1162XR*^</b>	<b>111</b>	<b>HXX,LL,RR2</b>	<b>P1162</b>	<b>YFC</b>				
34P88	111		34P88	HTF	●	●	●	●
34P94^	111	HXX,LL	34P88	HTF	●	●	●	●
<b>34P92*^</b>	<b>111</b>	<b>HXX,LL,RR2</b>	<b>34P88</b>	<b>HTF</b>	●	●	●	●
34P91	111		34P88	WX,HTF	●	●	●	●
34P89	111	HX1,LL	34P88	HTF	●	●	●	●
34P87	111	RR2	34P88	HTF	●	●	●	●
34N43	111		34N43	YFC,HTF,HES	●	▼	▼	●
34N42	111	HX1,LL	34N43	YFC,HTF,HES	●	▼	▼	●
34F94	111	RR2	34F94	HTF	▼	▼	●	●
34F97^	111	HXX,LL,RR2	34F94	HTF	▼	▼	●	●
34F96	111	HX1,LL,RR2	34F94	HTF	▼	▼	●	●
33W80	111	RR2	33W80	YFC,HTF,HES	●	▼	●	●
33W84^	111	HXX,LL,RR2	33W80	YFC,HTF,HES	●	▼	●	●
<b>33W83*</b>	<b>111</b>	<b>HX1,LL,RR2</b>	<b>33W80</b>	<b>WX,HTF,HES</b>	●	▼	●	●
<b>33W82*</b>	<b>111</b>		<b>33W80</b>	<b>YFC,HTF,HES</b>	●	▼	●	●
33P83^	111	HXX,LL,RR2	33P83	YFC,HTF,HES	●	▼	▼	●
<b>33P84*</b>	<b>111</b>	<b>HX1,LL,RR2</b>	<b>33P83</b>	<b>YFC,HTF,HES</b>	●	▼	▼	●
<b>P1395XR*^</b>	<b>113</b>	<b>HXX,LL,RR2</b>	<b>P1395</b>	<b>YFC,HAE,HTF</b>				
33Z74^	113	HXX,LL,RR2	33Z74	HTF	▼	▼	▼	▼
33T56	113		33T56		●	▼	●	▼
33T59^	113	HXX,LL	33T56		●	▼	●	▼
33T57	113	HX1,LL,RR2	33T56		●	▼	●	▼
33T55	113	RR2	33T56		●	▼	●	▼
33T54	113		33T56	WX	●	▼	●	▼
<b>33T53*</b>	<b>113</b>	<b>HX1,LL,RR2</b>	<b>33T56</b>	<b>WX</b>	●	▼	●	▼
33N56	113		33N56	YFC,HAE,HTF	●	▼	▼	●
33N58	113	HX1,LL,RR2	33N56	YFC,HAE,HTF	●	▼	▼	●
33N55	113	RR2	33N56	YFC,HAE,HTF	●	▼	▼	●
33M14	113	RR2	33M14	HAE,HTF	▼	▼	●	▼
33M18	113	HX1,LL	33M14	HAE,HTF	▼	▼	●	▼
33M16	113	HX1,LL,RR2	33M14	HAE,HTF	▼	▼	●	▼
33H82	113		33H82	WH	●	●	●	●

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33H83	113	HX1,LL	33H82	WH	●	●	●	●
33D14^	113	HXX,LL,RR2	33D11	HAE	▼	●	▼	●
33D13	113	HX1,LL	33D11	HAE	▼	●	▼	●
33B54	113	YGCB,RR2	33B50	YFC,HAE,HTF	●	●	●	●
33B49	113	RR2	33B50	YFC,HAE,HTF	●	●	●	●
<b>P1431W*</b>	<b>114</b>		<b>P1431</b>	<b>WH,HAE</b>				
33R81	114	YGCB,RR2	33R77	HTF,HES	●	●	●	●
33R79	114	LL	33R77	HTF,HES	●	●	●	●
33N12	114	HX1,LL,RR2	33N09	YFC	●	●	▼	●
33K39	114		33K39	YFC,HTF	●	▼	▼	▼
33K44	114	HX1,LL,RR2	33K39	YFC,HTF	●	▼	▼	▼
33K43	114		33K39	WX,HTF	●	▼	▼	▼
33K42^	114	HXX,LL	33K39	YFC,HTF	●	▼	▼	▼
33K40	114	HX1,LL	33K39	YFC,HTF	●	▼	▼	▼
33K36	114	LL	33K39	YFC,HTF	●	▼	▼	▼
33G58	114		33G58	WH,HAE,HTF	●	●	●	●
33G59	114	HX1,LL	33G58	WH,HAE,HTF	●	●	●	●
33F85	114	RR2	33F85	YFC,HTF,HES	●	▼	●	●
33F88^	114	HXX,LL,RR2	33F85	YFC,HTF,HES	●	▼	●	●
<b>33F87*</b>	<b>114</b>	<b>HX1,LL,RR2</b>	<b>33F85</b>	<b>YFC,HTF,HES</b>	●	▼	●	●
32N89	114		33F85	YFC,HTF,HES	●	▼	●	●
33F12	114		33F12	WH,HAE	●	●	●	●
32W86	114		32W86	YFC,HAE	●	▼	●	●
33Y74	115		33Y74	YFC,HTF,HES	●	▼	●	●
33Y76^	115	HXX,LL,RR2	33Y74	YFC,HTF,HES	●	▼	●	●
<b>33Y75*</b>	<b>115</b>	<b>HX1,LL,RR2</b>	<b>33Y74</b>	<b>YFC,HTF,HES</b>	●	▼	●	●
33V15	115		33V15		●	▼	▼	▼
33V16	115	YGCB,RR2	33V15		●	▼	▼	▼
33V14	115	RR2	33V15		●	▼	▼	▼
33M54	115		33M54	YFC,HAE	●	▼	▼	●
33M57	115	HX1,LL,RR2	33M54	YFC,HAE	●	▼	▼	●
33M53	115	RR2	33M54	YFC,HAE	●	▼	▼	●
33M52	115	HX1,LL,RR2	33M54	YFC,HAE	●	▼	▼	●
33H29^	115	HXX,LL,RR2	33H25	YFC,HTF,HES	●	●	●	●
33H27	115	HX1,LL,RR2	33H25	YFC,HTF,HES	●	●	●	●
33H26	115	HX1,LL	33H25	YFC,HTF,HES	●	●	●	●
33D47	115	RR2	33D47	YFC,HTF,HES	●	▼	●	●
33D49	115	HX1,LL,RR2	33D47	YFC,HTF,HES	●	▼	●	●
32T16	115		33D47	YFC,HTF,HES	●	▼	●	●
33A84	115		33A84	YFC,HAE,HTF	●	●	●	●
33A88	115	HX1,LL,RR2	33A84	YFC,HAE,HTF	●	●	●	●
33A82	115		33A84	WX,HAE,HTF	●	●	●	●
32T82	115	RR2	32T82	HTF,HES	●	●	▼	●
32T85^	115	HXX,LL,RR2	32T82	HTF,HES	●	●	▼	●
32T84	115	HX1,LL,RR2	32T82	HTF,HES	●	●	▼	●
32B81	115		32B81	YFC	●	▼	●	●
32B85	115	HX1,LL	32B81	WX	●	▼	●	●
32B83^	115	HXX,LL,RR2	32B81	YFC	●	▼	●	●
<b>P1615HR*</b>	<b>116</b>	<b>HX1,LL,RR2</b>	<b>P1615</b>	<b>YFC,HTF</b>				
32D78	116		32D78	YFC,HTF	●	▼	●	●
<b>32D79*</b>	<b>116</b>	<b>HX1,LL,RR2</b>	<b>32D78</b>	<b>YFC,HTF</b>	●	▼	●	●
32N73^	117	HXX,LL,RR2	32N73	HAE	▼	▼	●	●
<b>32N72*</b>	<b>117</b>	<b>HX1,LL,RR2</b>	<b>32N73</b>	<b>HAE</b>	▼	▼	●	●
<b>32N70*</b>	<b>117</b>	<b>RR2</b>	<b>32N73</b>	<b>HAE</b>	▼	▼	●	●
32B10	117		32B10	WH,HAE,HTF	●	●	▼	●
<b>32B13^A</b>	<b>117</b>	<b>HXX,LL,RR2</b>	<b>32B10</b>	<b>WH,HAE,HTF</b>	●	●	▼	●
<b>32B12*</b>	<b>117</b>	<b>HX1,LL,RR2</b>	<b>32B10</b>	<b>WH,HAE,HTF</b>	●	●	▼	●
32B11	117	HX1,LL	32B10	WH,HAE,HTF	●	●	▼	●
<b>32B09**</b>	<b>117</b>	<b>RR2</b>	<b>32B10</b>	<b>WH,HAE,HTF</b>	●	●	▼	●
3223	117		3223	HTF,HES	▼	▼	▼	●
32T22	117	RR2	3223	HTF,HES	▼	▼	▼	●
31G97	117	RR2	31G98	HAE,HTF	●	▼	●	●
31G96	117	HX1,LL,RR2	31G98	HAE,HTF	●	▼	●	●

● Adequate Tolerance  
 ▼ Requires Careful Management  
 ■ Crop Response Warning  
  Insufficient Data

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<b>32B34*</b>	<b>118</b>	<b>HX1,LL,RR2</b>	<b>32B33</b>	<b>YFC,HTF</b>	▼	▼	▼	▼
31Y42	118	RR2	31Y43	HAE	●	●	●	●
31P41	119		31P41	YFC,HAE,HTF	●	●	●	●
31P44^	119	HXX,LL,RR2	31P41	YFC,HAE,HTF	●	●	●	●
31P42	119	HX1,LL,RR2	31P41	YFC,HAE,HTF	●	●	●	●
31P40	119	RR2	31P41	YFC,HAE,HTF	●	●	●	●
31N27	119		31N27	YFC	▼	▼	▼	▼
31N30^	119	HXX,LL,RR2	31N27	YFC	▼	▼	▼	▼
31N28	119	YGCB	31N27	YFC	▼	▼	▼	▼
31N26	119	RR2	31N27	YFC	▼	▼	▼	▼
31G66	119		31G66	YFC,HTF,HES	●	▼	▼	▼
<b>31G72*</b>	<b>119</b>	<b>HXRW,LL,RR2</b>	<b>31G66</b>	<b>YFC,HTF,HES</b>	●	▼	▼	▼
31G71	119	HX1,LL,RR2	31G66	YFC,HTF,HES	●	▼	▼	▼
31G70^	119	HXX,LL,RR2	31G66	YFC,HTF,HES	●	▼	▼	▼
31G65	119	RR2	31G66	YFC,HTF,HES	●	▼	▼	▼
31R87	120	RR2	31R88	HTF	●	▼	●	▼
31D58	120		31D58	YFC,HAE,HTF	●	●	●	●
<b>31D59*</b>	<b>120</b>	<b>HX1,LL,RR2</b>	<b>31D58</b>	<b>YFC,HAE,HTF</b>	●	●	●	●
<b>31D57*</b>	<b>120</b>	<b>RR2</b>	<b>31D58</b>	<b>YFC,HAE,HTF</b>	●	●	●	●

\* **NEW** for 2009.



**Market Choices** ^ Grain harvested from products that bear this mark is fully approved for food and feed use in the United States and Japan, but is not approved in the European Union. You must find a market for this crop that will not ship this grain or its processed products to Europe. Appropriate markets for this grain include: domestic feed use or grain handlers that specifically agree to accept this grain and handle it appropriately. For more information on your grain market options, go to the American Seed Trade Association's website at [www.amseed.org](http://www.amseed.org) or call your seed supplier.

MARKET CHOICES is a certification mark used under license from ASTA.

**Know Before You Grow**<sup>SM</sup>, an information service provided by National Corn Growers Association at [www.ncga.com](http://www.ncga.com).

**● Adequate Tolerance.** Available research and field observations suggest this herbicide-seed product combination is unlikely to result in crop injury.

**▼ Requires Careful Management.** This herbicide-seed product combination may exhibit crop injury in challenging environments such as heavy rainfall during seed germination or seedling emergence, sandy soils, soils low in organic matter, high pH soils, or during periods of excessively cold, hot, dry or wet weather. University research indicates products within a herbicide class may vary in their degree of crop selectivity. The potential for seed product-herbicide interaction may also be impacted by the labeled herbicide rate used and the method or timing of application. For Benzoic Acid and Phenoxy herbicides, these hybrids may exhibit greater early season stalk breakage when applied prior to a significant windstorm.

**■ Crop Response Warning.** In field observations and research, crop injury has occurred with this herbicide-seed product combination.

**□ Insufficient Data.** Additional testing is needed to evaluate this herbicide-seed product combination.

Always read and follow all label instructions and precautions.

Pioneer makes no warranty regarding the herbicide crop response information in this guide.

### <sup>1</sup> Comparative Relative Maturity

<sup>2</sup> **TECHNOLOGY SEGMENT: HX1** – The Herculex® I insect protection trait offers a high level of resistance to European corn borer, southwestern corn borer and fall armyworm; very good resistance to black cutworm and western bean cutworm; and moderate resistance to corn earworm. **HXRW** - Contains the Herculex® RW gene for protection against Northern, Western and Mexican corn rootworm. **HXX** – Herculex® XTRA contains the Herculex I and Herculex RW genes. **YGCB** – The YieldGard® Corn Borer gene offers a high level of resistance to European corn borer, southwestern corn borer and southern cornstalk borer; moderate resistance to corn earworm and common stalk borer; and above average resistance to fall armyworm. **RR2** – Contains the Roundup Ready®

● Adequate Tolerance  
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# 2009 Corn Hybrid-Herbicide Management Guide

Corn 2 trait that provides crop safety for over-the-top applications of labeled glyphosate herbicides when applied according to label directions. **LL** – Contains the LibertyLink® gene for resistance to Ignite® herbicide.



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<sup>3</sup> **HYBRID FAMILY:** Hybrid family identifies hybrids that have the same base genetics. Manage hybrids within the same family similarly.

<sup>4</sup> **Pioneer IndustrySelect® Products for END-USE SEGMENT:** Designations indicate hybrid is also suitable for the following end uses: **HAE** - High Available Energy (Pork & Poultry Feed); **HTF** - High Total Fermentables (Dry-Grind Ethanol); **HES** - High Extractable Starch (Wet Milling); **WX** - Waxy; **WH** - White food corn; **YFC** - Yellow food corn.

<sup>5</sup> **Amide** (Chloroacetamide and Others) tested was Harness. This family also includes Surpass, Dual II Magnum, Outlook, Define, Lasso, Topnotch, Degree, Ramrod, DuPont™ Cinch® and others in pre-packaged mixes.

<sup>6</sup> **Benzoic Acid** (Synthetic Auxins) tested was Banvel or Clarity. The Phenoxy family includes 2,4-D. The rating represents these products and others in pre-packaged mixes. Hybrids may exhibit greater early season stalk breakage when Benzoic Acid or Phenoxy herbicides are applied prior to a significant windstorm.

<sup>7</sup> **Isoxazole** (4-HPPD Inhibitors) tested was Balance Pro. The herbicide prevents the biosynthesis of a photosynthetic pigment (carotenoid). The carotenoid pigment prevents the degradation of chlorophyll. Susceptible plant will turn white and chlorotic.

<sup>8</sup> **SU** (sulfonylureas, ALS Inhibitors) tested was DuPont™ Basis Gold® or DuPont™ Steadfast®. This family also includes DuPont™ Accent®, DuPont™ Basis®, Beacon, Permit, Elim, Option and others in pre-packaged mixes. A similar family called sulfonanilides includes Python. CAUTION: Some sulfonylurea products have label restrictions on hybrids with maturity shorter than 88 CRM. Review the herbicide label before applying any sulfonylurea product to hybrids less than 88 CRM.

Ratings in this guide based on data collected through 2008 harvest.

Basis Gold® is a restricted-use pesticide

All herbicides are trademarks of their respective manufacturers.

References: (1) 2004 Iowa State University Herbicide Manual for Ag Professionals, Extension Publication WC-92, B. Hartzler & M. Owen; (2) Weed Control Guide for Ohio Field Crops 2003 Edition, Bulletin 789, The Ohio State University Extension, M. M. Loux and J. M. Stachler; (3) 2003 Chemical Weed Control Guide Report of Progress, Bulletin 902, Kansas State University, Agricultural Experiment Station & Cooperative Extension Service, D. L. Regher, D. E. Peterson, P. D. Ohlenbusch, W. H. Fick, P. W. Stahlman, & R. E. Wolf.

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