

GxE Means (Fixed) in T/HA or the BLUEs

	ENTNO	METNO	Fixed Name	20	Rank	21	Rank	23	Rank	24	Rank	Across	ARank
1	-4	MT5432	NSIC Rc124H (Mestizo 4)	8.70	1	7.94	3	8.15	1	6.83	1	7.90	1
2	25	MT6360	IR 101465-8:23	8.49	4	7.96	2	8.12	2	6.64	2	7.80	2
3	73	MT6408	IR12A341	8.61	2	8.03	1	7.89	5	6.49	4	7.76	3
4	69	MT6404	IR12A329	8.51	3	7.86	4	8.00	3	6.60	3	7.74	4
5	125	MT6460	PR42837-NSIC Rc222-DR-35	8.43	5	7.75	5	7.91	4	6.41	6	7.63	5
6	29	MT6364	IR10F559	8.33	6	7.63	9	7.80	6	6.47	5	7.56	6
7	14	MT6349	IR12T266	8.28	7	7.66	7	7.72	8	6.28	7	7.49	7
8	47	MT6382	IR13A269	8.20	8	7.71	6	7.62	9	6.25	9	7.44	8
9	150	MT6485	14DS-GMET-14	8.17	9	7.54	11	7.76	7	6.24	10	7.43	9
10	84	MT6419	IR13N149	8.07	13	7.65	8	7.59	10	6.18	11	7.37	10
11	51	MT6386	IR13N131	8.11	11	7.49	14	7.55	11	6.15	15	7.33	11
12	79	MT6414	IR12A340	8.11	10	7.52	13	7.47	16	6.17	13	7.32	12
13	151	MT6486	14DS-GMET-15	7.99	17	7.46	15	7.52	13	6.27	8	7.31	13
14	141	MT6476	PR38710-2B-9-2-2-1	8.09	12	7.52	12	7.42	18	6.17	12	7.30	14
15	56	MT6391	IR12A185	8.03	15	7.43	16	7.52	12	6.16	14	7.29	15
16	97	MT6432	IR12A334	7.92	18	7.54	10	7.47	15	6.12	16	7.27	16
17	26	MT6361	IR 101465-8:42	8.04	14	7.38	17	7.49	14	6.11	17	7.26	17
18	62	MT6397	IR12N249	7.88	20	7.34	20	7.44	17	6.04	22	7.18	18
19	72	MT6407	IR12A268	7.88	21	7.24	29	7.37	22	6.07	18	7.14	19
20	75	MT6410	IR12A342	7.80	29	7.30	22	7.38	21	6.06	19	7.14	20
21	90	MT6425	IR13A294	7.87	22	7.30	23	7.37	23	6.01	23	7.14	21
22	104	MT6439	IR12N253	7.81	28	7.29	25	7.38	20	6.04	21	7.13	22
23	7	MT6342	IR13T135	7.89	19	7.35	19	7.30	26	5.97	26	7.13	23
24	76	MT6411	IR11A341	7.79	30	7.37	18	7.41	19	5.94	27	7.13	24
25	71	MT6406	IR12A211	7.82	27	7.31	21	7.25	27	6.06	20	7.11	25
26	77	MT6412	IR12N279	7.82	25	7.26	27	7.31	25	6.01	24	7.10	26
27	135	MT6470	PR40614-AC1-6-3	8.01	16	7.22	31	7.25	29	5.88	29	7.09	27
28	101	MT6436	IR13A319	7.85	23	7.25	28	7.20	31	5.79	42	7.02	28
29	149	MT6484	14DS-GMET-13	7.83	24	7.15	35	7.17	38	5.94	28	7.02	29
30	102	MT6437	IR13N115	7.66	38	7.16	33	7.25	28	5.99	25	7.02	30
31	147	MT6482	14DS-GMET-9	NA		7.20	32	7.24	30	5.81	36	7.00	31
32	66	MT6401	IR12A291	7.77	31	7.09	39	7.16	39	5.88	31	6.98	32
33	45	MT6380	IR12N281	7.73	33	7.23	30	7.14	43	5.80	37	6.98	33
34	152	MT6487	14DS-GMET-16	7.54	48	7.30	24	7.35	24	5.70	47	6.97	34
35	52	MT6387	IR13N132	7.68	35	7.27	26	7.17	36	5.74	45	6.97	35
36	98	MT6433	IR12N267	NA		7.09	40	7.18	33	5.86	33	6.96	36
37	124	MT6459	PR39923-B-3-B-1-1	7.64	41	7.11	38	7.17	35	5.87	32	6.95	37
38	95	MT6430	IR12A289	7.58	45	7.14	37	7.14	42	5.88	30	6.93	38
39	38	MT6373	IR12A171	7.65	40	7.08	41	7.18	32	5.80	38	6.93	39
40	39	MT6374	IR12A295	7.60	43	7.05	43	7.17	34	5.84	34	6.92	40
41	137	MT6472	PR40408-6-2-2	7.82	26	7.14	36	7.02	53	5.63	55	6.90	41
42	140	MT6475	PR37925-B-3-2-1-1-1	7.67	36	7.01	49	7.16	40	5.77	43	6.90	42
43	27	MT6362	IR 101465-5:42	7.71	34	6.97	53	7.14	41	5.74	44	6.89	43
44	96	MT6431	IR12N242	7.73	32	7.04	46	7.09	48	5.68	50	6.89	44
45	143	MT6478	PR41825-B-109	7.53	49	7.07	42	7.13	44	5.80	40	6.88	45
46	110	MT6445	IR13N103	7.57	46	7.05	44	7.17	37	5.74	46	6.88	46

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	ENTNO	METNO	Fixed Name	20	Rank	21	Rank	23	Rank	24	Rank	Across	ARank
47	40	MT6375	IR12N191	7.66	37	6.99	50	7.06	50	5.81	35	6.88	47
48	99	MT6434	IR12A330	7.51	50	7.02	47	7.11	45	5.80	39	6.86	48
49	107	MT6442	IR12A144	7.60	44	6.94	56	7.09	47	5.79	41	6.86	49
50	91	MT6426	IR13A295	7.51	51	7.15	34	7.03	52	5.64	54	6.83	50
51	64	MT6399	IR12A136	7.61	42	7.01	48	6.96	57	5.68	49	6.82	51
52	49	MT6384	IR13N108	7.45	56	6.98	51	7.10	46	5.68	51	6.81	52
53	87	MT6422	IR13A107	7.50	52	6.97	54	7.07	49	5.66	52	6.80	53
54	103	MT6438	IR13P003	7.65	39	6.98	52	6.97	55	5.57	60	6.79	54
55	57	MT6392	IR12A184	7.47	54	7.04	45	6.96	56	5.65	53	6.78	55
56	94	MT6429	IR12N235	7.46	55	6.91	59	7.03	51	5.60	56	6.75	56
57	108	MT6443	IR12N260	7.55	47	6.96	55	6.86	61	5.59	58	6.74	57
58	105	MT6440	IR12N274	7.41	59	6.85	63	6.99	54	5.69	48	6.74	58
59	28	MT6363	IR 101465-5:3	7.44	57	6.80	65	6.93	58	5.60	57	6.69	59
60	67	MT6402	IR11A292	7.42	58	6.90	60	6.93	59	5.47	64	6.68	60
61	33	MT6368	IR11F218	7.38	61	6.92	58	6.85	62	5.54	61	6.68	61
62	4	MT6339	IR 91648-B-175-B-1-1	7.47	53	6.92	57	6.83	64	5.46	65	6.67	62
63	55	MT6390	IR12A287	7.33	64	6.78	67	6.85	63	5.52	62	6.62	63
64	114	MT6449	IR95624-B-71-1-B-B	7.41	60	6.70	75	6.74	72	5.57	59	6.61	64
65	145	MT6480	PR41834-3B-9	7.34	63	6.85	62	6.81	66	5.41	71	6.60	65
66	109	MT6444	IR13A226	7.35	62	6.88	61	6.76	70	5.41	72	6.60	66
67	117	MT6452	IR95624-B-123-3-B-B	7.31	67	6.73	72	6.86	60	5.45	68	6.59	67
68	146	MT6481	14DS-GMET-7	7.33	66	6.78	66	6.76	69	5.46	66	6.58	68
69	113	MT6448	IR95610-B-67-2-B-B	7.33	65	6.76	68	6.82	65	5.39	73	6.58	69
70	80	MT6415	IR12N238	7.30	68	6.80	64	6.80	68	5.33	77	6.56	70
71	31	MT6366	IR11F186	NA		6.66	79	6.80	67	5.42	70	6.54	71
72	30	MT6365	IR10F571	7.27	72	6.72	73	6.73	73	5.43	69	6.54	72
73	74	MT6409	IR11A303	7.22	77	6.75	71	6.65	82	5.45	67	6.52	73
74	-1	MT4903	IRRI 154 (NSIC RC222)	7.09	86	6.75	69	6.71	75	5.49	63	6.51	74
75	112	MT6447	IR95611-B-82-2-B-B	7.28	70	6.70	74	6.68	76	5.33	78	6.50	75
76	59	MT6394	IR12A331	7.27	71	6.67	78	6.67	79	5.36	74	6.49	76
77	78	MT6413	IR12A230	7.24	74	6.68	76	6.68	78	5.35	75	6.49	77
78	41	MT6376	IR12N225	7.24	73	6.60	82	6.75	71	5.27	84	6.47	78
79	42	MT6377	IR12N149	7.11	84	6.75	70	6.64	83	5.34	76	6.46	79
80	70	MT6405	IR12A202	7.14	82	6.66	80	6.71	74	5.28	82	6.45	80
81	61	MT6396	IR12N232	7.16	80	6.67	77	6.66	80	5.21	92	6.43	81
82	37	MT6372	IR12N189	7.22	76	6.54	89	6.65	81	5.27	85	6.42	82
83	83	MT6418	IR13N102	7.23	75	6.41	103	6.68	77	5.31	80	6.41	83
84	86	MT6421	IR12N220	7.10	85	6.61	81	6.56	92	5.33	79	6.40	84
85	13	MT6348	IR 58443-6B-10-3	7.16	79	6.59	83	6.63	86	5.20	93	6.40	85
86	111	MT6446	IR13N128	7.14	81	6.47	96	6.63	85	5.31	81	6.39	86
87	54	MT6389	IR13N151	NA		6.56	87	6.54	94	5.28	83	6.38	87
88	88	MT6423	IR13A176	7.07	90	6.59	84	6.59	90	5.24	88	6.37	88
89	106	MT6441	IR12N269	7.06	92	6.55	88	6.62	87	5.24	87	6.37	89
90	21	MT6356	IR12T147	7.28	69	6.54	90	6.60	89	5.05	105	6.37	90
91	44	MT6379	IR12A259	7.09	87	6.47	95	6.56	91	5.25	86	6.35	91
92	100	MT6435	IR13A218	7.14	83	6.57	85	6.54	95	5.14	96	6.35	92

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93	128	MT6463	PR42837-NSIC Rc222-DR-41	7.04	94	6.44	98	6.60	88	5.22	91	6.33	93
94	82	MT6417	IR13A194	7.18	78	6.49	94	6.52	97	5.09	102	6.32	94
95	24	MT6359	IR 101465-12:25	7.00	96	6.46	97	6.55	93	5.22	90	6.31	95
96	53	MT6388	IR13N134	7.09	88	6.44	99	6.53	96	5.17	95	6.31	96
97	89	MT6424	IR13A242	7.08	89	6.39	104	6.51	98	5.19	94	6.29	97
98	-2	MT4904	IRRI 105 (PSB Rc18)	6.90	104	6.49	93	6.64	84	5.14	97	6.29	98
99	63	MT6398	IR11A287	6.99	98	6.56	86	6.36	110	5.24	89	6.29	99
100	119	MT6454	IR95611-B-160-1-B-B	6.99	99	6.53	91	6.39	108	5.13	98	6.26	100
101	65	MT6400	IR12A258	6.96	100	6.43	100	6.46	101	5.11	100	6.24	101
102	34	MT6369	IR12F107	7.05	93	6.32	109	6.51	99	5.02	107	6.23	102
103	132	MT6467	PR 41210-2-3-1-B	7.00	97	6.34	108	NA		5.08	103	6.22	103
104	133	MT6468	PR 39557-9-2-3-1-B	6.90	103	6.43	101	6.42	105	5.10	101	6.21	104
105	115	MT6450	IR95610-B-194-3-B-B	7.07	91	6.38	105	6.43	104	4.97	111	6.21	105
106	-3	MT5435	IRRI 146 (NSIC Rc158)	7.04	95	6.30	113	6.31	114	5.12	99	6.19	106
107	81	MT6416	IR13A181	6.89	108	6.36	106	6.50	100	5.02	108	6.19	107
108	85	MT6420	IR13N152	6.87	110	6.41	102	6.44	102	5.00	109	6.18	108
109	92	MT6427	IR13A313	6.82	112	6.51	92	6.36	109	4.98	110	6.17	109
110	50	MT6385	IR13N130	6.89	105	6.32	110	6.41	106	5.04	106	6.17	110
111	46	MT6381	IR13A256	6.82	113	6.36	107	6.40	107	4.94	113	6.13	111
112	136	MT6471	PR40853-6-1-2	6.79	114	6.19	120	6.36	111	5.08	104	6.10	112
113	3	MT6338	IR 91648-B-114-B-1-B	6.89	106	6.30	111	6.35	112	4.87	115	6.10	113
114	68	MT6403	IR12N193	6.89	107	6.27	114	6.33	113	4.86	117	6.09	114
115	60	MT6395	IR12N234	6.91	102	6.27	115	6.44	103	4.70	125	6.08	115
116	20	MT6355	IR13T146	6.79	115	6.24	117	6.30	115	4.96	112	6.07	116
117	93	MT6428	IR11A294	6.85	111	6.30	112	6.29	116	4.84	119	6.07	117
118	23	MT6358	IR11T175	6.89	109	6.22	118	6.24	120	4.71	124	6.02	118
119	43	MT6378	IR12N176	6.77	117	6.16	121	6.25	119	4.88	114	6.01	119
120	19	MT6354	IR11T198	6.67	119	6.26	116	6.28	117	4.84	118	6.01	120
121	6	MT6341	IR13T141	6.77	116	6.20	119	6.23	121	4.83	120	6.01	121
122	8	MT6343	IR12T253	6.92	101	6.09	122	6.19	123	4.83	121	6.01	122
123	2	MT6337	IR 11C199	6.69	118	6.05	124	6.20	122	4.87	116	5.95	123
124	11	MT6346	IR13T134	6.61	121	6.06	123	6.26	118	4.73	123	5.92	124
125	1	MT6336	IR 11C221	6.62	120	5.95	131	6.12	125	4.67	127	5.84	125
126	48	MT6383	IR13A276	6.48	128	6.03	126	6.13	124	4.67	128	5.83	126
127	134	MT6469	14DS-GMET-20	6.53	124	6.00	127	6.00	131	4.73	122	5.82	127
128	116	MT6451	IR95624-B-28-3-B-B	6.53	125	5.95	129	6.01	128	4.65	129	5.79	128
129	17	MT6352	IR11T141	6.54	123	6.04	125	6.05	126	4.45	137	5.77	129
130	139	MT6474	PR38577-B-6-B-B-B	6.56	122	5.73	137	6.02	127	4.61	131	5.73	130
131	118	MT6453	IR95611-B-153-3-B-B	6.48	129	5.96	128	5.99	133	4.46	136	5.72	131
132	142	MT6477	PR39222-2B-28-2-1-3	6.48	127	5.69	139	6.00	130	4.70	126	5.72	132
133	126	MT6461	PR42837-NSIC Rc222-DR-10	6.37	133	NA		NA		4.64	130	5.70	133
134	58	MT6393	IR12A194	6.36	134	5.89	134	6.00	132	4.53	133	5.70	134
135	36	MT6371	IR12F566	6.51	126	5.78	135	6.00	129	4.49	135	5.70	135
136	16	MT6351	IR11T173	6.42	130	5.95	130	5.90	135	4.50	134	5.69	136
137	10	MT6345	IR11T153	6.41	131	5.92	132	5.85	138	4.42	139	5.65	137
138	35	MT6370	IR12F563	6.37	132	5.91	133	5.96	134	4.34	141	5.65	138

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	ENTNO	METNO	Fixed Name	20	Rank	21	Rank	23	Rank	24	Rank	Across	ARank
139	5	MT6340	IR 91648-B-296-B-2-1	6.36	135	5.73	136	5.88	136	4.56	132	5.64	139
140	15	MT6350	IR12T246	6.34	136	5.55	142	5.87	137	4.33	143	5.52	140
141	18	MT6353	IR11T172	6.26	137	5.71	138	5.82	139	4.28	144	5.52	141
142	123	MT6458	PR42837-NSIC Rc222-DR-12	NA		NA		NA		4.33	142	5.48	142
143	129	MT6464	PR42837-NSIC Rc222-DR-11	6.22	138	5.25	146	5.81	140	4.45	138	5.43	143
144	144	MT6479	PR41812-3B-22	6.21	139	5.45	143	5.70	142	4.35	140	5.43	144
145	22	MT6357	IR12T195	6.11	141	5.62	141	5.71	141	4.18	146	5.41	145
146	9	MT6344	IR13T143	6.15	140	5.63	140	5.67	143	4.17	147	5.41	146
147	120	MT6455	IR09M113	6.05	142	5.35	145	5.52	144	4.14	149	5.27	147
148	32	MT6367	IR11F211	5.87	143	5.36	144	5.51	145	4.20	145	5.23	148
149	127	MT6462	PR39172-B-19-B-B-2	NA		5.21	147	5.46	146	4.14	148	5.19	149
150	130	MT6465	PR41395-NSICRc9-IVM2009DS 3-1-3	NA		5.12	148	5.42	147	4.13	150	5.14	150
151	148	MT6483	14DS-GMET-11	5.77	145	5.11	149	5.19	148	3.92	151	5.00	151
152	131	MT6466	PR40858-454-NSIC Rc9-M4R-454	5.77	144	4.91	150	5.18	149	3.60	152	4.87	152
153	12	MT6347	IR11T197	5.29	146	4.66	152	4.96	150	3.48	153	4.60	153
154	138	MT6473	PR38456-B-12-2-B-B	NA		4.77	151	NA		3.42	154	4.58	154
155	121	MT6456	IR10M108	4.86	147	4.01	153	4.33	151	2.84	155	4.01	155
156	122	MT6457	IR10M153	4.61	148	3.85	154	3.93	152	2.64	156	3.76	156

- top1 for Module2
- check variety
- * best check