

First choice varieties of favourable sites - 2016 List

VARIETY	MGA group	Dry Matter Content at harvest %	Dry Matter Yield t/ha	Dry Matter Yield as % of 4 and 5 year varieties	ME of Fresh plant at harvest (MJ/kg dry matter)	ME Yield of Fresh plant at harvest (1000's MJ/ha)	Starch content of whole plant at harvest (%)	Starch Yield of whole plant at harvest t/ha	Cell Wall Digestibility (%)	Early vigour 9=good 1=poor	Standing power at harvest (Root lodging) 9=good 1=poor	Eyespot rating (1-9) **
EMMERSON	12	38.3	16.2	96	11.47	185	36.9	5.97	56.3	7.3	8.3	-
AUGUSTUS KWS	11	37.8	16.2	96	11.61	188	36.6	5.91	57.6	7.5	8.1	-
RUBIERA KWS	11	37.2	16.3	96	11.64	189	37.2	6.05	57.6	7.7	7.9	-
ACTIVATE	10	35.9	16.0	95	11.70	187	36.9	5.90	58.2	6.9	8.2	4.3
GLORY	10	35.8	17.2	102	11.53	198	36.4	6.26	57.1	7.5	8.3	6.0
RAMIREZ	10	35.7	16.2	96	11.59	187	36.5	5.90	57.6	7.4	7.9	5.2
SERGIO KWS	9	35.0	16.5	98	11.55	191	36.1	5.95	57.7	7.5	8.1	5.2
AMBITION	9	34.6	17.5	104	11.40	199	34.2	5.97	56.8	7.5	8.2	6.1
SUNLITE	9	34.6	16.8	100	11.69	197	36.3	6.11	58.8	7.4	8.3	2.7
ARCADE	9	34.3	16.7	99	11.52	192	34.2	5.70	58.0	7.0	8.3	4.6
YUKON	9	34.0	17.2	102	11.29	194	35.0	6.02	55.5	7.2	8.3	4.8
KOUGAR	9	33.9	17.4	103	11.31	197	32.9	5.72	56.2	7.2	8.2	4.7
FIELDSTAR	9	33.8	17.4	103	11.37	198	34.0	5.91	56.6	7.5	8.3	6.2
SEVERUS	8	33.6	17.2	102	11.31	194	34.8	5.97	55.8	7.7	8.2	5.0
RODRIGUEZ KWS	8	33.4	17.6	104	11.39	200	34.2	6.00	56.7	7.0	8.3	-
ADEPT	8	33.3	16.9	100	11.50	195	34.1	5.76	57.8	7.2	8.3	3.1
KONTENDER	8	33.3	16.9	100	11.28	191	33.7	5.69	55.7	7.1	8.2	5.9
EMBLEM	8	32.9	17.5	104	11.50	201	34.9	6.11	57.7	7.4	8.3	5.2
ASGAARD	8	32.4	18.1	107	11.42	207	32.3	5.85	57.8	7.8	8.3	3.4
MONTY	8	32.4	17.8	105	11.33	201	31.2	5.53	57.4	6.8	8.3	4.1
MAS 11F	7	31.2	17.5	104	11.27	197	32.1	5.62	56.3	7.2	8.2	4.3

VARIETY	MGA group	Dry Matter Content at harvest %	Dry Matter Yield t/ha	Dry Matter Yield as % of 4 and 5 year varieties	ME of Fresh plant at harvest (MJ/kg dry matter)	ME Yield of Fresh plant at harvest (1000's MJ/ha)	Starch content of whole plant at harvest (%)	Starch Yield of whole plant at harvest t/ha	Cell Wall Digestibility (%)	Early vigour 9=good 1=poor	Standing power at harvest (Root lodging) 9=good 1=poor	Eyespot rating (1-9) **
SALGADO	7	31.1	17.2	102	11.21	193	31.6	5.45	56.2	7.0	8.3	7.6
ATRIUM	6	30.7	17.7	105	11.57	205	31.4	5.55	59.7	7.4	8.2	2.7
AMBROSINI	6	30.4	18.4	109	11.00	202	30.3	5.57	55.0	7.5	8.3	5.0
ALFASTAR	6	30.4	18.1	107	11.27	204	30.6	5.53	57.5	7.6	8.3	4.3
VANDIAMOND #	6	29.7	18.7	111	11.42	213	32.4	6.05	57.0	7.3	8.2	-
CODITANK	6	29.7	17.7	105	11.20	199	31.2	5.53	56.9	6.6	8.3	-
HOBBIT	6	29.6	18.2	108	11.08	202	29.2	5.31	56.1	7.3	8.1	2.9
ES MARCO	5	29.2	17.6	104	11.09	195	31.1	5.47	55.2	6.2	8.2	-
Trial statistics												
Mean of 4&5 year varieties		33.0	16.9	100	11.32	191	32.9	5.56	56.7	7.1	8.2	
LSD (V.Cont)		1.01	0.57	3.4	0.144	-	1.51	-	0.82	0.28	-	
SE (variety mean)		0.511	0.286	1.69	0.0728	-	0.761	-	0.413	0.142	-	

Notes:

- indicates no data available;

ME is calculated as D-value x 0.16

Limited data for Brackling% with many varieties having only one trials worth of data.

** Eyespot rating derived from inoculated nurseries rather than field scores.

severe brackling recorded at one site in one year

First choice varieties of less favourable sites - 2016 List

VARIETY	MGA group	Dry Matter Content at harvest %	Dry Matter Yield t/ha	Dry Matter Yield as % of 4 and 5 year varieties	ME of Fresh plant at harvest (MJ/kg dry matter)	ME Yield of Fresh plant at harvest (1000's MJ/ha)	Starch content of whole plant (%)	Starch Yield of whole plant at harvest t/ha	Cell Wall Digestibility (%)	Early vigour 9=good 1=poor	Standing power at harvest (Root lodging) 9=good 1=poor	Eyespot rating (1-9) **
KASPIAN	12	39.8	14.7	91	11.38	168	36.8	5.41	55.6	7.0	8.0	5.3
EMMERSON	12	38.6	15.5	96	11.30	175	35.5	5.51	55.7	7.2	8.3	-
AUGUSTUS KWS	11	38.2	15.7	97	11.39	179	35.0	5.51	56.5	7.4	8.1	-
RUBIERA KWS	11	37.4	15.9	98	11.52	183	36.4	5.78	57.2	7.8	7.9	-
ACTIVATE	10	36.4	15.8	98	11.61	183	36.2	5.72	57.8	7.0	8.3	4.3
RAMIREZ	10	36.2	15.6	97	11.41	178	35.5	5.54	56.7	7.4	7.8	5.2
SERGIO KWS	9	35.7	16.0	99	11.35	182	34.9	5.59	56.7	7.6	8.0	5.2
GLORY	9	35.6	16.8	104	11.36	191	35.0	5.88	56.5	7.5	8.2	6.0
PEREZ KWS	9	35.6	16.8	104	11.15	187	33.2	5.57	55.4	7.7	8.0	-
AMBITION	8	34.3	16.9	104	11.27	190	33.0	5.57	56.4	7.5	8.3	6.1
ARCADE	8	34.3	16.2	100	11.38	184	33.3	5.38	57.4	6.9	8.3	4.6
SUNLITE	8	34.2	16.2	100	11.53	186	34.8	5.62	58.3	7.2	8.3	2.7
YUKON	8	33.8	16.4	102	11.06	182	33.5	5.50	54.5	7.2	8.3	4.8
KOUGAR	8	33.3	16.8	104	11.14	187	32.4	5.44	55.4	7.2	8.3	4.7
FIELDSTAR	8	33.3	17.1	106	11.18	191	32.5	5.55	56.0	7.5	8.2	6.2
SEVERUS	8	33.2	16.7	103	11.15	187	33.4	5.59	55.3	7.7	8.3	5.0
ADEPT	8	33.1	16.4	101	11.40	186	33.0	5.39	57.6	7.1	8.2	3.1
RODRIGUEZ KWS	8	32.9	17.0	105	11.30	192	33.9	5.76	56.5	7.1	8.3	-
EMBLEM	7	32.2	17.0	105	11.28	192	33.3	5.67	56.9	7.6	8.3	5.2

VARIETY	MGA group	Dry Matter Content at harvest %	Dry Matter Yield t/ha	Dry Matter Yield as % of 4 and 5 year varieties	ME of Fresh plant at harvest (MJ/kg dry matter)	ME Yield of Fresh plant at harvest (1000's MJ/ha)	Starch content of whole plant (%)	Starch Yield of whole plant at harvest t/ha	Cell Wall Digestibility (%)	Early vigour 9=good 1=poor	Standing power at harvest (Root lodging) 9=good 1=poor	Eyespot rating (1-9) **
ASGAARD	7	31.6	17.3	107	11.28	195	30.6	5.29	57.6	7.7	8.3	3.4
MONTY	6	31.2	17.1	106	11.13	191	29.1	4.97	57.3	6.8	8.2	4.1
SALGADO	5	29.8	16.6	103	11.05	183	30.5	5.06	55.7	7.0	8.3	7.6
CODITANK	5	29.6	16.8	104	11.01	184	29.8	4.99	56.4	6.6	8.3	-
DUALTO	5	28.9	16.7	103	11.24	187	27.2	4.52	58.2	6.5	8.2	6.4
HOBBIT	4	28.2	17.3	107	10.87	189	27.8	4.82	55.5	7.2	8.0	2.9
ES MARCO	4	28.0	16.8	104	10.95	184	29.8	5.00	55.1	6.2	8.3	-
Trial statistics												
Mean of 4&5 year varieties		33.6	16.2	100	11.21	181	32.6	5.27	56.3	7.1	8.2	
LSD (V.Cont)		1.18	0.55	3.4	0.154	-	1.60	-	0.84	0.31	-	
SE (variety mean)		0.591	0.277	1.71	0.0772	-	0.801	-	0.422	0.154	-	

Notes:

- indicates no data available;

ME is calculated as D-value x 0.16

Limited data for Brackling% with many varieties having only one trials worth of data.

** Eyespot rating derived from inoculated nurseries rather than field scores.

Maize Varieties for Anaerobic Digestion - Favourable Sites

VARIETY	MGA group	Dry Matter Content at harvest %	Dry Matter Yield t/ha	Dry Matter Yield as % of 4 and 5 year varieties	ME of Fresh plant at harvest (MJ/kg dry matter)	ME Yield of Fresh plant at harvest (1000's MJ/ha)	Early vigour 9=good 1=poor	Standing power at harvest (Root lodging) 9=good 1=poor
ES ARDENT	10	36.0	15.7	93	11.27	177	6.5	8.3
ES PICKER	9	34.9	16.1	95	11.29	182	7.3	8.3
ES REGAIN	9	34.3	16.5	98	11.28	186	7.3	8.3
ES REMINGTON	9	34.2	16.7	99	11.15	186	7.4	8.3
FIELDSTAR	9	33.8	17.4	103	11.37	198	7.5	8.3
ES BODYGUARD	8	32.5	16.6	98	11.30	187	6.4	8.3
ASGAARD	8	32.4	18.1	107	11.42	207	7.8	8.3
MONTY	8	32.4	17.8	105	11.33	201	6.8	8.3
ES BALLADE	7	32.0	16.6	99	11.20	186	6.8	8.2
ES HERACLES	7	31.2	17.5	103	10.85	190	6.6	8.1
BEETHOVEN	7	31.1	17.4	103	11.15	194	6.9	8.1
DOMINATOR	6	30.8	17.4	103	10.95	190	6.9	8.3
ATRIUM	6	30.7	17.7	105	11.57	205	7.4	8.2
PIRRO	6	30.5	18.0	107	10.81	194	7.0	7.4
ALFASTAR	6	30.4	18.1	107	11.27	204	7.6	8.3
CATHY	6	30.4	18.1	107	11.18	203	7.2	8.3
DUALTO	6	29.7	17.4	103	11.32	197	6.5	8.3
HOBBIT	5	29.6	18.2	108	11.08	202	7.3	8.1
ES MARCO	5	29.2	17.6	104	11.09	195	6.2	8.2
LG30.223	5	28.4	18.6	110	11.09	207	7.4	8.3
Trial statistics								
Mean of 4&5 year varieties		33	16.9	100	11.32	191	7.1	8.2
LSD (V.Cont)		1.01	0.57	3.4	0.144	-	0.28	-
SE (variety mean)		0.511	0.286	1.69	0.0728	-	0.142	-

Maize Varieties for Anaerobic Digestion - Less Favourable Sites

VARIETY	MGA group	Dry Matter Content at harvest %	Dry Matter Yield t/ha	Dry Matter Yield as % of 4 and 5 year varieties	ME of Fresh plant at harvest (MJ/kg dry matter)	ME Yield of Fresh plant at harvest (1000's MJ/ha)	Early vigour 9=good 1=poor	Standing power at harvest (Root lodging) 9=good 1=poor
ES ARDENT	10	36.7	15.3	94	11.03	168	6.3	8.3
ES PICKER	9	35.6	15.5	96	11.09	172	7.3	8.2
ES REGAIN	8	34.2	16.1	99	11.15	179	7.3	8.3
ES REMINGTON	8	33.5	16.2	100	10.98	178	7.3	8.3
FIELDSTAR	8	33.3	17.1	106	11.18	191	7.5	8.2
ES BODYGUARD	7	31.8	15.8	98	11.15	176	6.3	8.2
ASGAARD	7	31.6	17.3	107	11.28	195	7.7	8.3
MONTY	6	31.2	17.1	106	11.18	191	6.8	8.2
ES BALLADE	6	30.7	16.0	99	11.04	176	6.5	8.1
ES HERACLES	6	30.4	17.1	106	10.72	184	6.5	8.0
DOMINATOR	6	30.3	16.5	102	10.76	178	6.8	8.3
PIRRO	6	29.3	17.6	109	10.61	187	7.0	7.3
CATHY	5	29.0	17.2	107	10.96	189	7.0	8.3
DUALTO	4	28.9	16.7	103	11.24	187	6.5	8.2
HOBBIT	4	28.2	17.3	107	10.87	189	7.2	8.0
ES MARCO	4	28.0	16.8	104	10.95	184	6.2	8.3
Trial statistics								
Mean of 4&5 year varieties		33.6	16.2	100	11.21	181	7.1	8.2
LSD (V.Cont)		1.18	0.55	3.4	0.154	-	0.31	-
SE (variety mean)		0.591	0.277	1.71	0.0772	-	0.154	-