

2015 FORAGE MAIZE DESCRIPTIVE LIST

First choice varieties for favourable sites

VARIETY	Dry Matter Content at harvest (%)	Dry Matter Yield (t/ha)	Dry Matter Yield (% of 4 and 5 year varieties)	ME off fresh plant at harvest (MJ/kg dry matter)	ME yield of fresh plant at harvest (1,000's MJ/ha)	Starch content of whole plant at harvest (%)	Starch yield (t/ha)	Cell Wall Digestibility (%)	Early vigour 9=good 1=poor	Standing power at harvest (root lodging) 9=good 1=poor	Lodging (%) #	Brackling (%) #	Leaf senescence (1-9)	Eyespot rating (1-9) **
HOBBIT	29.6	18.9	111	11.2	211	29.8	5.6	56.4	7.7	8.3	0.2	*	8.1	*
AMBROSINI	30.3	18.7	110	11.0	206	30.0	5.6	55.3	7.5	8.3	0.0	0.5	7.4	5.0
ASGAARD	32.3	18.3	108	11.4	210	31.4	5.8	58.2	7.8	8.3	0.1	*	7.5	*
ALFASTAR	30.6	18.3	108	11.4	208	30.7	5.6	58.3	7.5	8.3	0.0	*	7.7	*
MONTY	32.4	18.2	107	11.4	207	30.9	5.6	57.9	7.2	8.3	0.3	*	7.9	*
MARCO	29.2	18.0	106	11.2	201	31.4	5.6	55.6	6.5	8.2	0.5	0.0	8.1	6.5
EMBLEM	32.8	18.0	106	11.6	208	35.6	6.4	58.0	7.7	8.3	0.2	*	6.9	*
ATRIUM	31.0	17.9	105	11.7	209	32.0	5.7	60.5	7.4	8.2	0.6	0.0	7.5	3.0
BEETHOVEN	31.8	17.9	105	11.2	200	30.5	5.5	56.3	6.9	8.0	2.0	0.0	7.2	4.7
AMBITION	34.6	17.8	105	11.4	203	33.7	6.0	57.2	7.8	8.2	0.9	*	7.1	6.0
DUALTO	30.1	17.7	104	11.5	203	29.2	5.2	59.1	6.7	8.2	0.4	0.0	7.7	6.3
SALGADO	31.3	17.7	104	11.3	199	31.8	5.6	56.5	7.2	8.3	0.1	0.5	7.2	7.7
FIELDSTAR	33.6	17.6	104	11.4	200	33.9	6.0	56.8	7.6	8.2	0.5	*	7.3	6.1
KOUGAR	33.5	17.6	104	11.3	199	32.5	5.7	56.3	7.3	8.3	0.2	*	6.8	4.8
MAS 11F	31.3	17.6	103	11.3	199	32.0	5.6	56.7	7.4	8.2	0.6	0.0	7.5	4.5
SEVERUS	33.6	17.5	103	11.3	198	34.8	6.1	56.0	7.8	8.3	0.3	*	6.5	5.1
GLORY	35.9	17.4	102	11.6	201	36.4	6.3	57.4	7.7	8.3	0.1	*	6.7	6.0
YUKON	34.1	17.2	101	11.3	194	34.6	6.0	55.8	7.5	8.2	0.7	*	7.1	4.9
ES REMINGTON	34.7	17.1	101	11.3	193	33.4	5.7	56.3	7.7	8.3	0.0	*	6.5	*
ADEPT	33.1	17.0	100	11.6	198	34.5	5.9	58.4	7.3	8.3	0.2	*	7.2	3.4
KONTENDER	33.5	17.0	100	11.3	193	33.8	5.8	56.1	7.3	8.3	0.2	*	7.2	5.9
ES REGAIN	34.5	17.0	100	11.3	192	33.4	5.7	56.7	7.7	8.3	0.2	0.8	6.3	3.7
ARCADE	34.6	17.0	100	11.6	197	34.9	5.9	58.7	7.2	8.2	0.4	*	7.2	4.7
SUNLITE	34.2	16.9	100	11.8	199	36.4	6.2	59.4	7.6	8.3	0.1	*	7.0	*
TRUXX	33.0	16.9	99	11.5	194	33.1	5.6	58.5	7.1	8.2	0.5	*	7.0	3.5
NK BULL	30.3	16.9	99	11.6	195	32.4	5.5	58.6	7.0	8.3	0.2	0.1	8.1	5.7
ACUMEN	34.3	16.8	99	11.3	191	33.4	5.6	56.7	7.5	7.7	4.4	*	6.6	5.4
SERGIO KWS	35.1	16.8	99	11.6	194	35.9	6.0	58.1	7.7	8.2	0.9	*	5.4	*
EXXTENS	33.8	16.6	97	11.7	193	33.9	5.6	59.1	7.2	8.3	0.0	*	7.0	*
RAMIREZ	35.7	16.4	97	11.6	191	36.3	6.0	58.2	7.5	7.9	3.2	*	5.3	5.2
ACTIVATE	36.4	16.4	96	11.8	192	37.3	6.1	58.7	7.2	7.9	2.7	*	6.7	4.5
KASPIAN	39.2	15.5	91	11.5	179	37.6	5.8	56.5	7.4	8.2	1.1	*	3.6	5.3
Trial statistics														
Mean of 4&5 year varieties	32.9	17.0	100	11.3	193	32.7	5.56	57.0	7.2	8.2	0.6	0.3	6.8	5.0
LSD (V.Cont)	1.10	0.60	3.5	0.16	-	1.65	-	0.95	0.29	-	-	-	0.56	-
SE (variety mean)	0.553	0.300	1.77	0.081	-	0.832	-	0.478	0.147	-	-	-	0.284	-

Notes:

* indicates data not calculated

ME is calculated as D-value x 0.16

- Values are Re-transformed from the mean of the log data

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

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



With thanks to the Maize Growers Association for part-funding the eyespot assessments

2015 FORAGE MAIZE DESCRIPTIVE LIST

Second choice varieties for favourable sites

VARIETY	Dry Matter Content at harvest (%)	Dry Matter Yield (t/ha)	Dry Matter Yield (% of 4 and 5 year varieties)	ME off fresh plant at harvest (MJ/kg dry matter)	ME yield of fresh plant at harvest (1,000's MJ/ha)	Starch content of whole plant at harvest (%)	Starch yield (t/ha)	Cell Wall Digestibility (%)	Early vigour 9=good 1=poor	Standing power at harvest (root lodging) 9=good 1=poor	Lodging (%) #	Brackling (%) #	Leaf senescence (1-9)	Eyespot rating (1-9)**
ES KIRA	30.4	18.2	107	11.0	201	28.0	5.1	56.4	7.2	8.2	0.6	*	7.3	*
VENETIA	29.2	18.0	106	11.0	199	27.4	4.9	56.6	7.2	8.2	0.7	0.0	7.6	6.8
DOMINATOR	31.1	17.6	104	11.0	194	30.8	5.4	55.4	7.0	8.3	0.0	0.0	7.3	5.4
RUBESTO	29.5	17.6	103	11.2	196	29.4	5.2	56.7	7.1	7.5	5.6	0.0	7.7	2.1
KONSENSUS	32.1	17.5	103	11.2	196	31.4	5.5	56.3	6.7	8.3	0.0	0.0	8.0	5.7
ES BALLADE	32.1	17.1	101	11.3	193	32.8	5.6	56.7	7.0	8.3	0.2	0.2	7.2	4.3
ES CAPRIS	33.7	17.1	101	11.2	192	31.4	5.4	56.7	6.9	7.0	9.7	*	7.2	4.7
SCRABBLE	29.4	17.0	100	11.2	190	30.0	5.1	57.0	7.4	8.2	0.7	0.7	7.7	4.9
BEACON	33.1	16.9	100	11.3	192	31.4	5.3	57.6	7.7	8.3	0.3	0.0	7.0	4.7
MAGEPI CS	30.0	16.9	100	11.2	189	31.4	5.3	56.7	7.1	8.3	0.0	*	7.1	*
PLEIADE	31.6	16.9	99	11.2	189	31.6	5.3	56.8	7.1	8.3	0.0	*	7.0	*
KATY	32.2	16.9	99	11.2	189	31.1	5.2	57.0	7.0	8.3	0.1	1.0	6.2	6.1
TROIZI CS	32.0	16.8	99	11.1	186	31.1	5.2	56.1	6.9	8.2	0.5	*	7.0	5.0
ES BODYGUARD	32.8	16.8	99	11.3	190	31.9	5.4	57.2	6.7	8.3	0.0	0.0	7.1	6.2
ORMEAU	32.0	16.8	99	11.4	191	33.4	5.6	57.5	6.5	8.0	2.0	0.6	7.6	5.8
KROMWELL	33.4	16.7	98	11.3	189	33.2	5.5	56.5	7.0	8.2	0.6	*	5.9	4.7
ES ARDENT	36.4	16.2	95	11.3	183	35.2	5.7	56.1	7.1	8.3	0.2	*	5.9	5.5
NK CHEER	32.8	16.2	95	11.3	183	32.6	5.3	56.5	6.9	8.3	0.3	2.8	6.9	4.3
BRADLEY *	34.8	16.2	95	11.4	184	33.7	5.5	57.2	7.3	8.3	0.2	*	6.0	*
KENTAURUS *	35.5	16.1	95	11.5	185	35.2	5.7	56.9	7.1	8.2	0.5	*	4.9	5.5
KEEN	35.5	15.9	93	11.5	183	35.2	5.6	57.7	7.3	7.9	3.1	*	4.8	5.3
Trial statistics														
Mean of 4&5 year varieties	32.9	17.0	100	11.3	193	32.7	5.56	57.0	7.2	8.2	0.6	0.3	6.8	5.0
LSD (V.Cont)	1.10	0.60	3.5	0.16	-	1.65	-	0.95	0.29	-	-	-	0.56	-
SE (variety mean)	0.553	0.300	1.77	0.081	-	0.832	-	0.478	0.147	-	-	-	0.284	-

Notes:

* indicates data not calculated

ME is calculated as D-value x 0.16

- Values are Re-transformed from the mean of the log data

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

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



With thanks to the Maize Growers Association for part-funding the eyespot assessments

2015 FORAGE MAIZE DESCRIPTIVE LIST

First choice varieties for less favourable sites

VARIETY	Dry Matter Content at harvest (%)	Dry Matter Yield (t/ha)	Dry Matter Yield (% of 4 and 5 year varieties)	ME off fresh plant at harvest (MJ/kg dry matter)	ME yield of fresh plant at harvest (1,000's MJ/ha)	Starch content of whole plant at harvest (%)	Starch yield (t/ha)	Cell Wall Digestibility (%)	Early vigour 9=good 1=poor	Standing power at harvest (root lodging) 9=good 1=poor	Lodging (%) #	Brackling (%) #	Leaf senescence (1-9)	Eyespot rating (1-9) **
KASPIAN	39.4	15.0	92	11.3	169	36.1	5.4	55.4	7.5	8.1	1.4	1.3	3.3	5.3
ACTIVATE	37.2	15.9	98	11.7	186	36.8	5.9	58.2	7.3	8.2	0.4	0.1	6.1	4.5
RAMIREZ	36.2	15.8	97	11.5	181	35.6	5.6	57.1	7.6	7.8	2.7	3.9	5.0	5.2
KENTAURUS *	36.2	15.6	96	11.3	176	34.5	5.4	56.1	7.0	8.2	0.4	0.6	4.5	5.5
GLORY	35.8	16.8	104	11.4	192	35.1	5.9	56.7	7.7	8.2	0.5	0.2	6.1	6.0
SERGIO KWS	35.3	16.2	100	11.3	182	34.4	5.6	56.5	8.1	8.0	1.7	0.7	5.2	*
ARCADE	34.8	16.3	100	11.5	187	34.0	5.5	57.8	7.3	8.3	0.3	0.9	6.7	4.7
AMBITION	34.4	17.0	105	11.4	193	33.2	5.6	56.8	7.8	8.2	0.5	0.8	6.8	6.0
YUKON	34.4	16.4	101	11.1	182	33.6	5.5	54.8	7.4	8.2	0.4	0.3	6.2	4.9
SUNLITE	34.3	16.4	101	11.6	191	35.3	5.8	58.7	7.6	8.3	0.2	0.3	6.7	*
ES REGAIN	34.3	16.4	101	11.2	184	32.3	5.3	56.3	7.8	8.3	0.1	0.8	6.2	3.7
SEVERUS	33.4	16.9	105	11.2	189	33.4	5.6	55.3	7.8	8.3	0.1	0.1	6.1	5.1
ADEPT	33.4	16.5	102	11.5	190	33.6	5.5	57.9	7.4	8.2	0.4	0.3	6.7	3.4
EXXTENS	33.4	16.2	100	11.4	185	32.0	5.2	58.3	7.3	8.3	0.2	0.3	6.6	*
FIELDSTAR	33.2	17.2	106	11.2	192	32.5	5.6	55.9	7.7	8.2	0.7	0.4	6.8	6.1
KONTENDER	33.1	16.5	101	11.2	184	33.1	5.4	55.4	7.2	8.3	0.1	0.3	6.7	5.9
TRUXX	32.2	16.3	101	11.4	186	32.7	5.3	58.2	7.1	8.3	0.2	0.4	6.6	3.5
EMBLEM	32.0	17.2	106	11.3	193	33.6	5.8	56.7	7.8	8.3	0.3	0.3	6.6	*
MAS 11F	30.7	16.8	104	11.2	188	31.7	5.3	56.1	7.4	8.2	0.7	0.8	7.0	4.5
SALGADO	29.8	16.9	104	11.1	186	30.7	5.2	55.7	7.3	8.3	0.2	0.7	6.8	7.7
Trial statistics														
Mean of 4&5 year varieties	33.5	16.2	100	11.2	181	32.4	5.3	56.2	7.3	8.2	0.5	0.6	6.1	4.9
LSD (V.Cont)	1.32	0.62	3.8	0.16	-	1.83	-	0.90	0.34	-	-	-	0.61	-
SE (variety mean)	0.664	0.309	1.91	0.0819	-	0.920	-	0.453	0.173	-	-	-	0.305	-

Notes:

* indicates data not calculated

ME is calculated as D-value x 0.16

- Values are Re-transformed from the mean of the log data

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

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



With thanks to the Maize Growers Association for part-funding the eyespot assessments

2015 FORAGE MAIZE DESCRIPTIVE LIST

Second choice varieties for less favourable sites

VARIETY	Dry Matter Content at harvest (%)	Dry Matter Yield (t/ha)	Dry Matter Yield (% of 4 and 5 year varieties)	ME off fresh plant at harvest (MJ/kg dry matter)	ME yield of fresh plant at harvest (1,000's MJ/ha)	Starch content of whole plant at harvest (%)	Starch yield (t/ha)	Cell Wall Digestibility (%)	Early vigour 9=good 1=poor	Standing power at harvest (root lodging) 9=good 1=poor	Lodging (%) #	Brackling (%) #	Leaf senescence (1-9)	Eyespot rating (1-9)**
ES ARDENT	36.6	15.6	96	11.0	171	32.8	5.1	55.0	6.9	8.3	0.2	1.0	5.4	5.5
KEEN	36.0	15.1	93	11.4	172	35.2	5.3	56.6	7.4	7.9	2.3	0.4	4.5	5.3
ACUMEN	35.0	16.3	100	11.1	181	32.4	5.3	55.5	7.5	7.9	2.5	1.3	5.7	5.4
BRADLEY *	34.0	15.7	97	11.1	175	32.4	5.1	56.0	7.4	8.2	0.4	0.8	5.4	*
ES REMINGTON	33.6	16.5	102	11.1	182	31.7	5.2	55.8	7.7	8.3	0.3	0.5	6.4	*
KROMWELL	33.0	16.0	99	11.2	179	32.4	5.2	55.7	6.9	8.2	0.4	1.5	5.7	4.7
KOUGAR	32.9	16.8	104	11.0	185	31.5	5.3	54.8	7.4	8.3	0.1	0.1	6.4	4.8
ES CAPRIS	32.6	16.3	101	11.0	180	30.8	5.0	55.7	6.9	7.7	3.3	1.2	7.0	4.7
NK CHEER	32.6	15.5	96	11.0	171	30.2	4.7	55.9	6.9	8.1	1.0	0.7	6.4	4.3
BEACON	32.4	16.4	101	11.2	183	30.4	5.0	56.9	7.6	8.3	0.3	0.0	6.7	4.7
KATY	31.3	16.3	101	11.0	180	29.7	4.8	56.5	7.0	8.3	0.2	0.6	6.0	6.1
ORMEAU	30.9	16.0	99	11.2	180	31.9	5.1	56.9	6.6	8.1	1.4	1.5	7.4	5.8
AMBROSINI	29.0	17.7	109	10.7	189	27.3	4.8	54.3	7.6	8.3	0.0	0.4	7.3	5.0
Trial statistics														
Mean of 4&5 year varieties	33.5	16.2	100	11.2	181	32.4	5.3	56.2	7.3	8.2	0.5	0.6	6.1	4.9
LSD (V.Cont)	1.32	0.62	3.8	0.16	-	1.83	-	0.90	0.34	-	-	-	0.61	-
SE (variety mean)	0.664	0.309	1.91	0.082	-	0.920	-	0.453	0.173	-	-	-	0.305	-

Notes:

* indicates data not calculated

ME is calculated as D-value x 0.16

- Values are Re-transformed from the mean of the log data

Limited data for Brackling (%) with many varieties having only one trial worth of data

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



With thanks to the Maize Growers Association
for part-funding the eyespot assessments