



Variety Selection 2015



MGA Recommended First Choice Forage Maize Varieties 2015

*Also includes varieties for
Biogas Maize, Grain Maize
& Maize under Plastic*



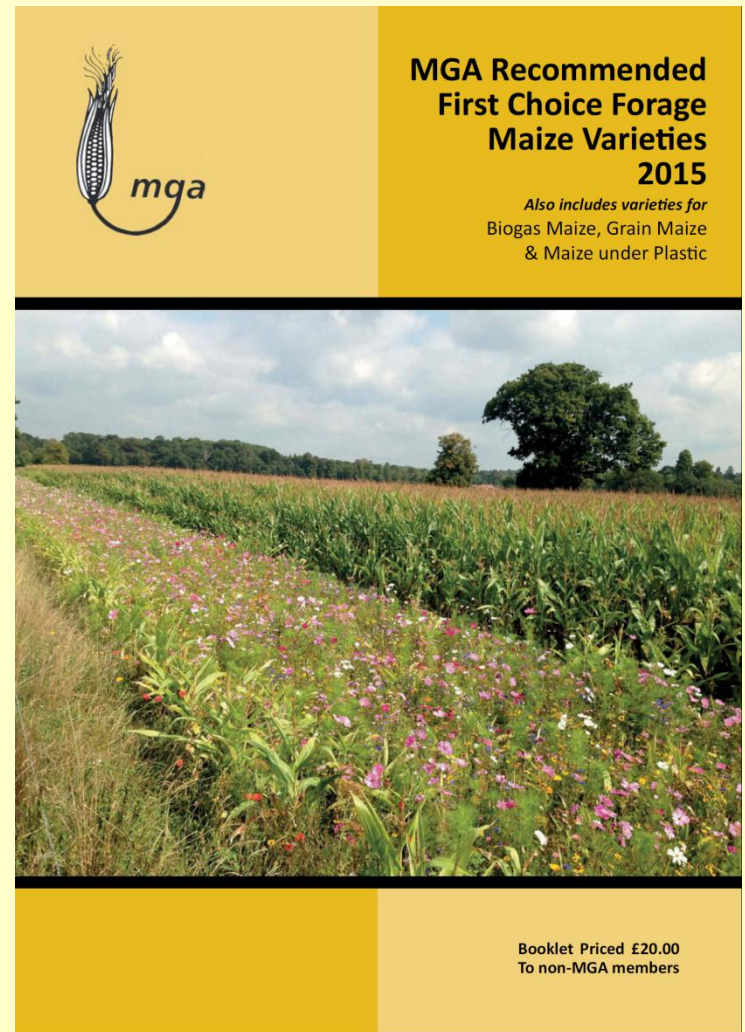
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To non-MGA members**



Variety Selection



- Not the most important thing!
- 85% of the success of the maize crop is down to agronomy
 - **Seedbed preparation**
 - **Drilling**
 - **Competition**
 - **Compaction**
- Stick with what you know works on yours or local farms (80/20)

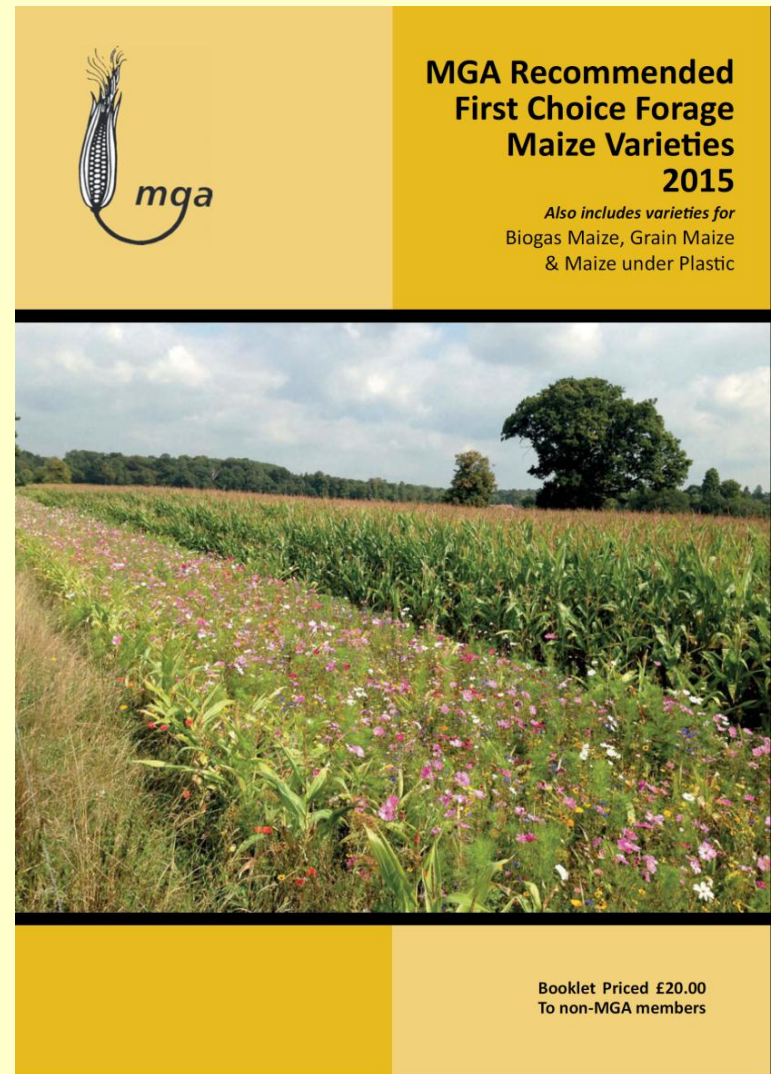




Need for Independent Information



- Need for Independent Information
- Organised and funded by British Society of Plant Breeders (BSPB) and Maize Growers Association (MGA) Undertaken by NIAB
- Trials on multiple sites around country





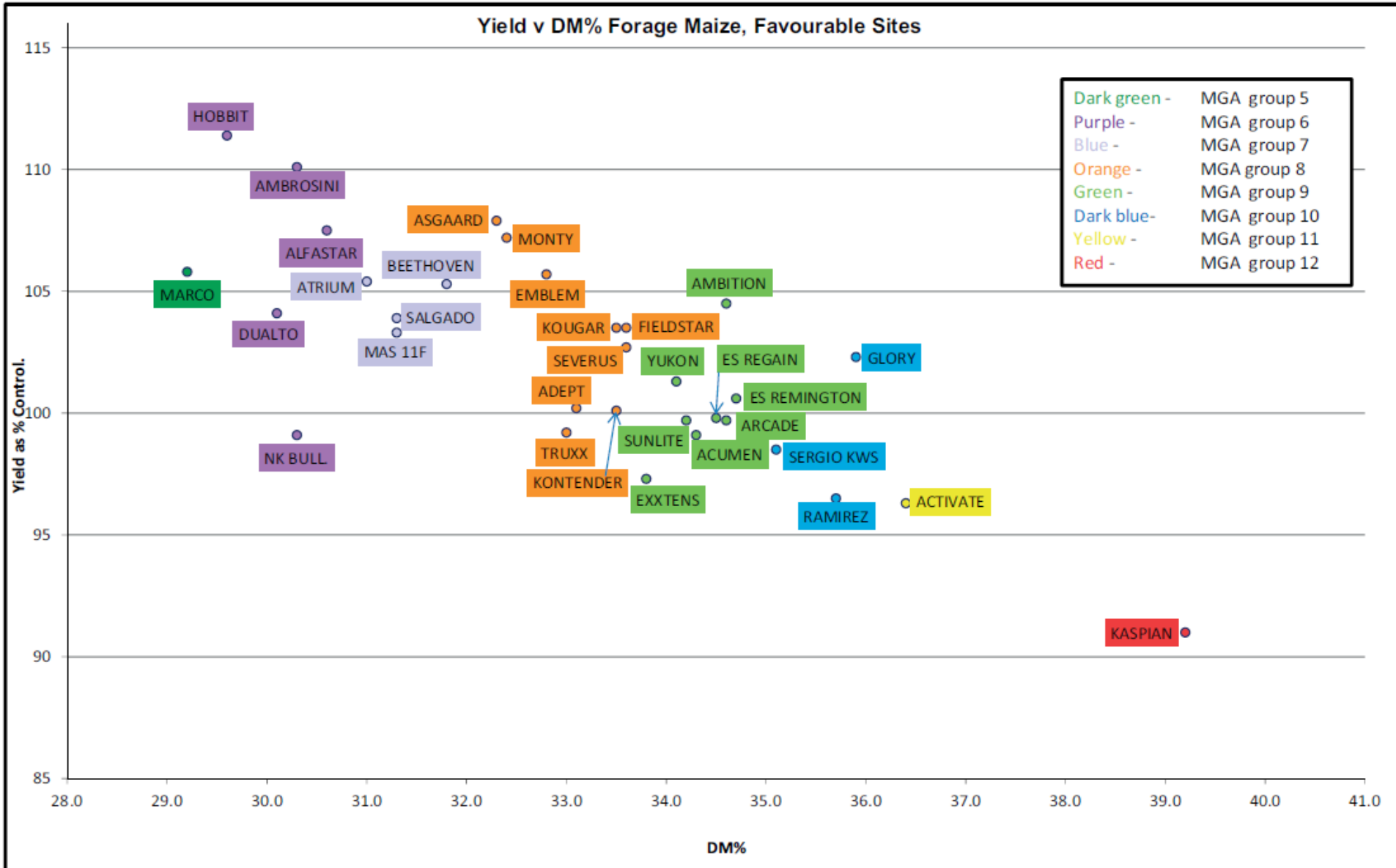
MGA “Maturity” Group



- Maturity - Time taken from sowing seed to mature crop
- The higher the MGA group the shorter the growing season required the lower the yield
- Earliest – Kaspian (MGA group 12) with 91% of the average yield
- Latest – Marco (MGA group 5) with 106%
- 5 days between harvest/group
- Kaspian in theory 35 days earlier to harvest than Marco



Maturity/Yield Relationship



Maturity grouping based on whole plant dry matter % at harvest. The greater the dry matter at harvest, the higher the maturity group.



Eyespot Rating for the first time



VARIETY	MGA Group	Eyespot rating (1-9) **
KASPIAN	12	5.3
ACTIVATE	11	4.5
GLORY	10	6.0
RAMIREZ	10	5.2
SERGIO KWS	10	*
ES REMINGTON	9	*
AMBITION	9	6.0
ARCADE	9	4.7
ES REGAIN	9	3.7
ACUMEN	9	5.4
SUNLITE	9	*
YUKON	9	4.9
EXXTENS	9	*
FIELDSTAR	8	6.1
SEVERUS	8	5.1
KOUGAR	8	4.8
KONTENDER	8	5.9
ADEPT	8	3.4
TRUXX	8	3.5
EMBLEM	8	*

VARIETY	MGA Group	Eyespot rating (1-9) **
MONTY	8	*
ASGAARD	8	*
BEETHOVEN	7	4.7
SALGADO	7	7.7
MAS 11F	7	4.5
ATRIUM	7	3.0
ALFASTAR	6	*
AMBROSINI	6	5.0
NK BULL.	6	5.7
DUALTO	6	6.3
HOBBIT	6	*
MARCO	5	6.5

The higher the eyespot ranking the lower the chance of disease



Maize grown under plastic film



Crop Performance 'With' and 'Without' Plastic Mulch

	Silking Date	Total Yield t/ha	DM Content %	Starch Yield t/ha	Starch Content %	ME Yield GJ/ha	ME Content MJ/kg
Plastic Mulch	30 Jul	15.5	35	5.7	37	171	11.0
Open Established	15 Aug	12.7	30	3.6	28	135	10.6
Plastic Gain	16 days	2.8	5	2.1	9	36	0.4

(DARD Recommended Varieties for N. Ireland 2014)





UK Maize Under Film List 2015



- Three site, replicated trial
- Undertaken for MGA by SAMCO
- One year only!!!!
- But first independent UK data

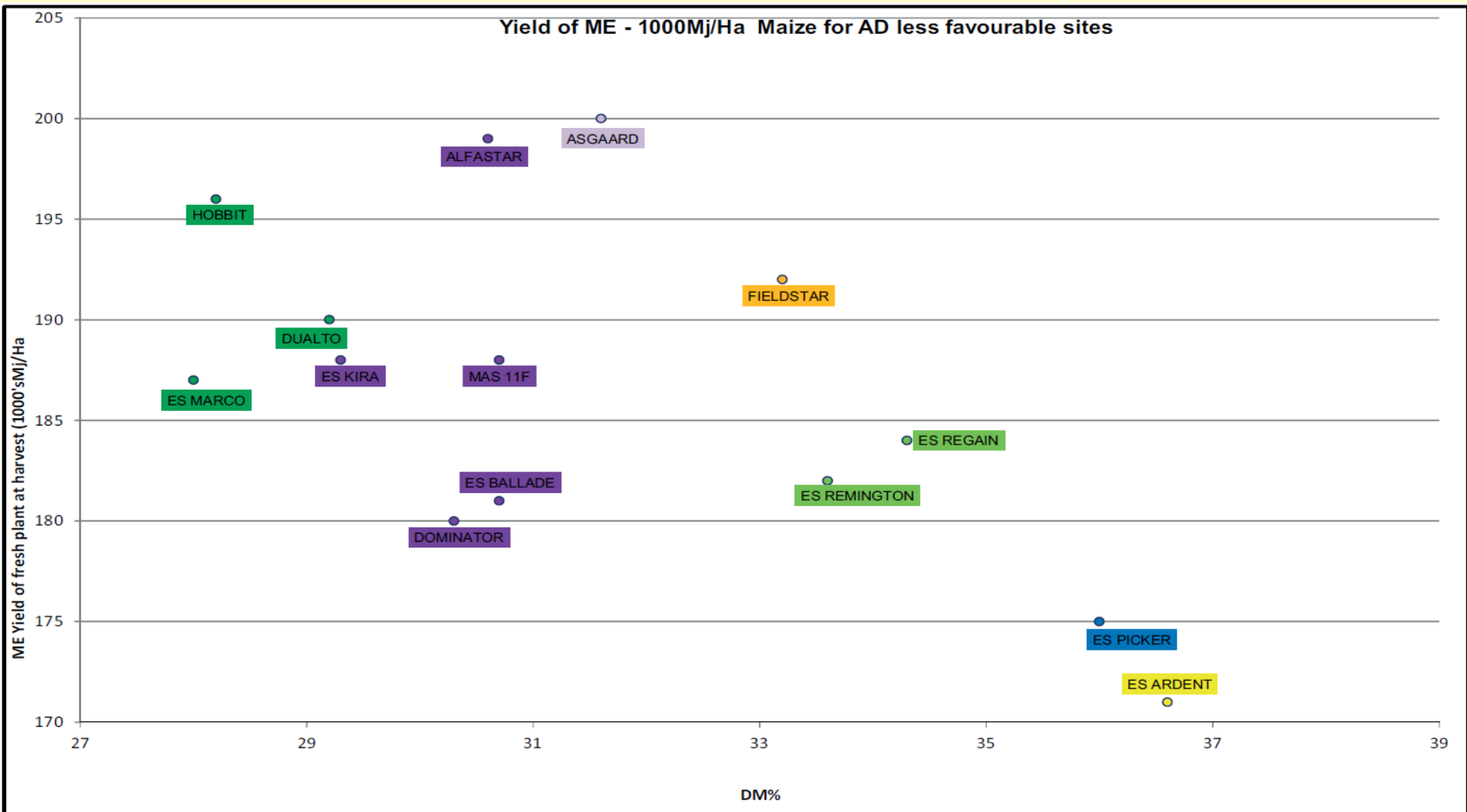
	DM%	Yield TDM/ha	ME (MJ/kg DM)	ME Yield (MJ/ha) (1000's)	Starch %	Starch Yield T/ha
Glory	38.8	13.4	11.8	159	44.50	5.96
Ambition	37.5	13.9	11.9	165	43.71	6.08
Exxtens	35.9	12.0	11.7	140	44.02	5.27
Marco	33.5	16.9	12.1	205	45.25	7.63
Ambrosini	32.7	13.8	11.3	156	38.64	5.33
Award	31.4	15.4	11.4	175	39.74	6.12
SY Feeditop	31.2	14.7	11.7	171	36.88	5.42
P7905	30.8	16.4	11.7	191	40.62	6.64
Average	34.0	14.6	11.7	170	41.67	6.06



Maize for Biogas – 2015 List



- Favourable and less favourable lists
- Yield of ME at suitable maturity

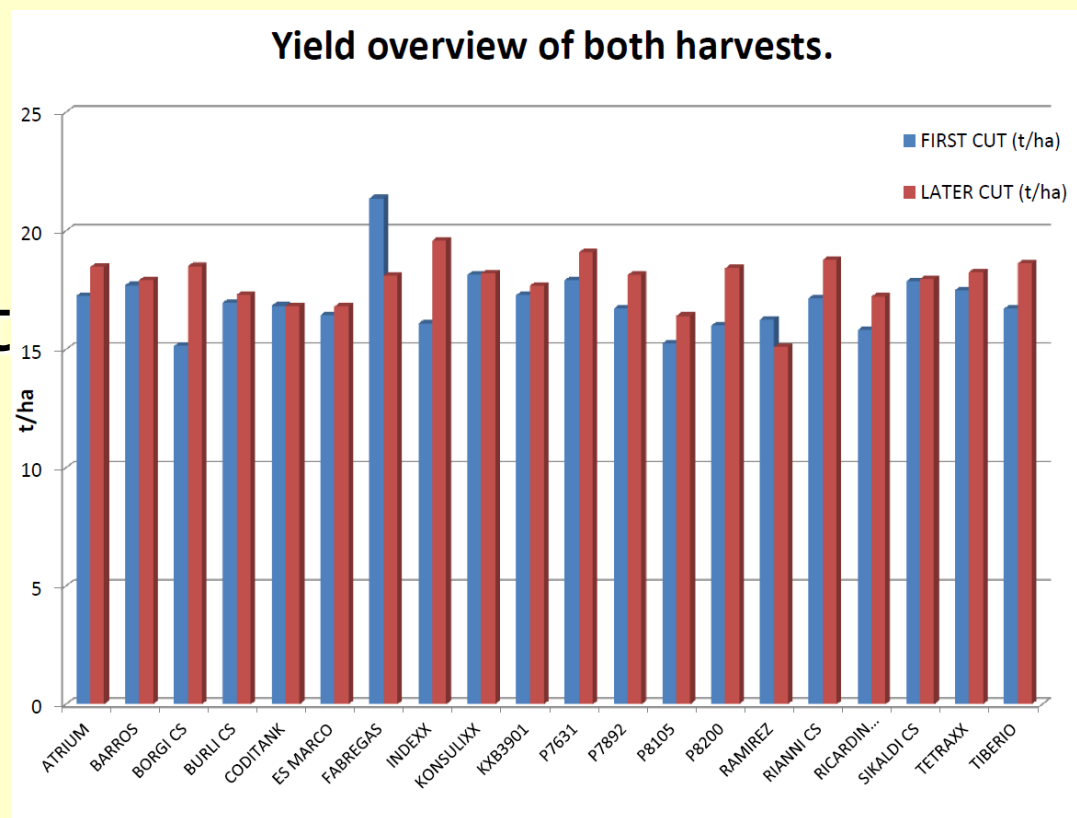





Biogas Varieties



- Two harvest date trial undertaken during 2014 by NIAB
- Two weeks apart
- Higher DM% – 5.7% increase
- Higher yield – 0.85 kgDM/ha



GRAIN MAIZE TRIALS 2010 - 2013 - ALL VARIETIES
YIELD AND AGRONOMIC DATA

	Yld % controls (Coryphee and Podium)	Grain Yield t/ha adjusted to 15% moisture	Moisture content of Grain at harvest (%)	Lodging%	Brackling%
Yield of controls	10.32 t/ha				
CORYPHEE	97	10.0	33.5	3.3	4.1
EMBLEM	95	9.8	35.6	3.2	4.1
ES ALANIS	108	11.1	34.4	1.2	3.5
KONSENSUS	113	11.7	35.3	2.4	4.8
KOUGAR	97	10.0	36.1	1.9	12.9
LAPRIORA	105	10.9	33.5	1.6	3.2
P8261	100	10.3	38.3	3.8	3.1
PODIUM	103	10.6	36.9	1.6	2.7
PR39V43	115	11.9	35.9	2.0	3.2
RODRIGUEZ KWS	101	10.5	33.2	1.8	6.6
RUBESTO	95	9.8	36.2	1.1	17.6
SALGADO	97	10.1	36.7	1.7	9.8
SEVERUS	95	9.8	34.3	0.3	5.9
TROIZI CS	94	9.7	36.6	3.5	5.2
WIFAXX	114	11.7	35.4	3.2	4.1
YUKON	97	10.0	33.3	3.4	5.9



Thank You



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