

Barley grown in small rows at Mariager 2012.

Protein, starch and ergosterol measured with NIT.

Blocks are sown at different dates, and with different nutrient l

Variety/selection line	Field block	Protein	starch	Ergost erol
Nøgenbyg 59 (101)	11 <sup>th</sup> row	13,6	59	9,8
Nøgenbyg, Inka	11 <sup>th</sup> row	13,5	59	10,0
Nøgenbyg, KVL 184	11 <sup>th</sup> row	12	60,5	12,5
Nøgenbyg, Neu Grosse	11 <sup>th</sup> row	13,6	58,5	16,3
Nøgenbyg, nr. 19	11 <sup>th</sup> row	outlier	outlier	24,9
Nøgenbyg, nr. 33	11 <sup>th</sup> row	15,2	57,1	11,5
Nøgenbyg, nr. 61	11 <sup>th</sup> row	14,2	58,1	17,1
Black Hulless RIB-350, Hou 2012	13 <sup>th</sup> row	12,9	outlier	30,5
Black Hulless S1-09/s1-12	13 <sup>th</sup> row	11	outlier	18,0
Black Hulless S1-09/s2-12	13 <sup>th</sup> row	outlier	outlier	19,0
Black Hulless S1-09/s3-12	13 <sup>th</sup> row	11,6	outlier	20,6
Black Hulless S1-09/s4-12	13 <sup>th</sup> row	11,8	outlier	19,4
Black Hulless S1-09/s5-12	13 <sup>th</sup> row	11,8	57,2	21,6
Black Hulless S1-9/S2-11	13 <sup>th</sup> row	12,1	60,4	15,0
Black Hulless S2-09 blue	13 <sup>th</sup> row	10,9	outlier	22,6
Blå Mørdrup S-09	13 <sup>th</sup> row	13,6	60,5	9,6
Mørdrup S1-09 (Lyseblå) GRØNSKUD fra 2012	13 <sup>th</sup> row	13,3	60,3	9,5
Mørdrup S1-09 (Lyseblå) tynd	13 <sup>th</sup> row	11,2	62,4	11,1
Nøgen nr 18	13 <sup>th</sup> row	10,7	63,8	8,9
Nøgen nr99 S1-08	13 <sup>th</sup> row	11,4	60	9,5
Odens Åker	13 <sup>th</sup> row	11,4	outlier	22,4
Odens Åker S1-11	13 <sup>th</sup> row	11,5	62,2	18,4
Tibet Violet 3 6rd	13 <sup>th</sup> row	15,7	outlier	27,6
Tibetansk Nøgenbyg	13 <sup>th</sup> row	14	outlier	26,2
Tibetansk Nøgenbyg S1-12	13 <sup>th</sup> row	14	56,2	27,0
Violet de Geumalage, RIB-A032	13 <sup>th</sup> row	13,5	56,1	24,1
Canadian, unknown	16 <sup>th</sup> row	10,3	67,8	10,6
Hora	16 <sup>th</sup> row	10,5	66,3	9,9
Lawina,	16 <sup>th</sup> row	11,1	67,3	5,7
Celeste (18679)	17 <sup>th</sup> row	13,9	58,9	13,2
Chinese Black Hulless	17 <sup>th</sup> row	outlier	outlier	31,2
Heider Sany (18420)	17 <sup>th</sup> row	14,3	58	11,7
Himmelgerste fra Perugia (18449)	17 <sup>th</sup> row	12,9	60,3	14,3
Italian Naked (14293)	17 <sup>th</sup> row	15,4	57,2	12,7
Italian Naked (18059)	17 <sup>th</sup> row	14	58,6	14,2
Italian Naked (18429)	17 <sup>th</sup> row	15,9	56,7	16,9

## Ark1

Kloser Disentis (1748)	17 <sup>th</sup> row	12,7	60,1	12,4
Nepal Purple, rep. 1	17 <sup>th</sup> row	outlier	51,4	25,8
Nepal Purple, rep. 2	17 <sup>th</sup> row	outlier	54,4	9,1
Nepal Purple, rep. 3	17 <sup>th</sup> row	outlier	52,3	25,3
Nudo Blanco or Bianco(140)	17 <sup>th</sup> row	14,6	56,8	18,3
Orzo Mundo	17 <sup>th</sup> row	14	60,1	8,8
SG-N4Z (3) Kapuzengerste	17 <sup>th</sup> row	14,7	57,3	16,3
SG-N4Z (7) Himalaya Gerste	17 <sup>th</sup> row	17,4	54,6	8,6
SG-NG-mz-6 Zwerggerste	17 <sup>th</sup> row	14,8	59,5	12,0
SG-NmZ (1) Valser	17 <sup>th</sup> row	11,1	63,3	7,9
SG-S2Z (5) Binn	17 <sup>th</sup> row	12,3	61,5	6,0
SG-S4Z (4) Val d'Annvier	17 <sup>th</sup> row	12,3	61,5	11,6
SG-SmZ (2) Obersaxen	17 <sup>th</sup> row	11,9	62,1	11,8
Shebu UK(140) Ethiopia	17 <sup>th</sup> row	16,2	54,1	20,2
Tuxernnus Rinn (18630)	17 <sup>th</sup> row	12,9	outlier	5,9
Upper Italy (18423)	17 <sup>th</sup> row	14	58,3	9,9
Babuskha, Falslev rep. 1	Falslev	14,9	55,9	22,3
babuskha, Falslev rep. 2	Falslev	15	55,1	22,5
Black Hulless RIB-350, Falslev 2012	Falslev	12,2	57	22,1
Hora, falslev	Falslev	9,8	69,1	9,4
Lawina, Falslev	Falslev	12,2	64,8	8,0
nøgen nr 18, Falslev	Falslev	11,5	63,1	11,9
Nøgenbyg, nr 43, Falslev Rep. 1	Falslev	11,9	62,8	12,4
Nøgenbyg, nr 43, Falslev, Rep. 2	Falslev	11,2	64,3	11,0
Sec	Falslev	10,3	67,6	10,4
Shonkin, Falslev	Falslev	11,4	67	12,2
Wenubet, Falslev	Falslev	10,8	66,3	14,1
Azhul				

evels.

Seed colour	Seed size	leaf diseases	Ear form	plant height	Straw strength	
light brown	big				soft, but no lodging 2012	big ears
light brown	medium		6-row	tall	soft, but no lodging 2012	big ears
medley, Brown/light	medium			tall	soft, but no lodging 2012	
medley, Brown/light	big			tall		
Dark brown	medium				soft, but no lodging 2012	
light brown	medium		6-row	short	stiff straw	
medley, Brown/light	big			tall	divers	
Dark brown	big	healthy	6-row	tall	lodging 22/6-2012	
blue	medium, long		6-row	tall	soft, but no lodging 2012	very early
medley, blue/dark	medium, long		6-row	tall	soft, but no lodging 2012	very early
medley, blue/dark	medium, long		6-row	tall	soft, but no lodging 2012	early
medley, blue/dark	medium, long		6-row	tall	soft, but no lodging 2012	early
medley, blue/dark	medium, long		6-row	tall	soft, but no lodging 2012	very early
medley, blue/dark	big		6-row	tall	lodging	early
medley, blue/dark			6-row	tall	no lodging	
medley, Brown/light	big		2-row	tall	soft, but no lodging 2012	
medley, Brown/light	big		2-row			
light brown	medium, long		6-row	tall		
Blue			6-row	tall	lodging 22/6-2012	
black	big		6-row		lodging 22/6-2012	
medley, Brown/light	big		2-row		lodging	
Dark brown	medium		6-row		lodging	very early
black	medium		6-row	tall	lodging	
black	big		6-row	tall		very early
black	big	healthy			stiff straw	
light	big					
light brown	big		2-row			
light	big		2-row			
light brown	medium, long	healthy	6-row	tall	soft, but no lodging 2012	
black			6-row		soft, but no lodging 2012	
medley, Brown/light	medium	healthy	6-row	tall	soft, but no lodging 2012	
light brown	medium, long	healthy	6-row	tall	soft, but no lodging 2012	
light brown	medium, long	healthy	6-row	tall	soft, but no lodging 2012	
light brown	big		2-row		lodging 22/6-2012	
light brown	medium		6-row		soft, but no lodging 2012	small ears

## Ark1

light brown	medium, long	healthy	6-row	tall	soft, but no lodging 2012	
Dark brown	small	healthy	6-row	short		hooded
light brown	medium	a little mildew	6-row		soft, but no lodging 2012	
light brown	medium		6-row	short	Stiff straw	
light brown	medium	healthy	6-row	tall	lodging	hooded
light brown	small	healthy	6-row	tall	soft, but no lodging 2012	hooded
medley, Brown/light	short, thick	healthy	6-row	short	no lodging	
light brown	big	healthy	6-row	tall	soft, but no lodging 2012	
	hulled	very healthy	2-row	tall	soft, but no lodging 2012	
	hulled	healthy	6-row	tall	soft, but no lodging 2012	
light brown	medium, long	healthy	6-row	tall	soft, but no lodging 2012	
light brown	medium, long	a little mildew	6-row		stiff straw	
light brown	medium	healthy	6-row	tall	soft, but no lodging 2012	
light brown	medium, long	healthy	6-row	tall	soft, but no lodging 2012	
black	big		2-row	tall		
black	big		2-row	tall		
dark	medium		6-row			
light	medium					
light	medium		2-row			
light brown	medium		6-row	tall		
medley, Brown/light	medium		2-row	tall		
light	small	very healthy	2-row	short	stiff straw	
light	medium		2-row		Waxy starch	
light	medium		2-row		Waxy starch	
		mildew	6-row		Waxy starch	

Ark1

, short awns

Side 5

Ark1