



DANISH PREFERRED – NOS 114.299-14 & LEXY

Jens Due Jensen – Head of barley breeding



23-02-2022

Cultivating Value

Nordic Seed 

LEXY

Cultivating Value

Nordic Seed 

LEXY

Breeder: Breun - Germany



Pedigree: RGT Planet*Leandra

Listed in:

- Germany 2020
- France 2021
- Ukraine 2021

Anerkendt i Berliner program

Anerkendt i CBMO - A



NOS 114.299-14 NL/FUT DK 2020-2021

Agromy - Results from the Danish National Trials and Official Trials, 2020-2021

Variety	Relative yield in the Danish National Trials			Respons on fungicide (hkg/ha)	Kernel quality				Disease resistance					Earliness and straw characters					Nematodes		
	Mean 2019+2020	Yield			Raw protein (%)	Grading > 2,5 mm (%)	Grading > 2,8 mm (%)	Hectolitre weight (kg/hl)	Mildew (%)	Barley rust (%)	Rhynchosporium (%)	Net blotch (%)	Ramularia (%)	Maturity (date)	Straw length (cm)	Lodging, FUT (kar. 0 - 10)	Lodging, OBS (kar. 0 - 10)	ear breaking (kar. 0 - 10)			straw breaking (kar. 0 - 10)
	Mean	2021	2020	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	I	II
Blanding	100	100	100	7,2	10,4	96	80	68,5	0	11	10	4	19	26-jul	68	0,9	0,5	1	2,0	-	-
Laureate	104	104	103	7,1	10,3	98	90	67,6	0	4	4	0	14	28-jul	70	1,0	0,0	2,5	3,5	S	S
RGT Planet	100	98	102	8,5	10,3	97	87	68,5	0	10	5	22	20	27-jul	73	1,0	0,0	2,0	3,7	R	R
NOS 114.299-14	100	104	107	7,3	10,4	98	92	68	0	5	3	0	20	28-jul	70	0,8	0,3	2	1,7	S	S
LEXY	101	101	101	9,5	10,3	97	83	67,8	0	20	2	2	21	27-jul	71	0,9	0,0	1,0	2,7	R	R









In Blue = results from Official Testing. In Black data from National Trials

TYSTOFTE MALT TEST 2020-2021

Variety	Viscosity, mPa*s	β -glucan, mg/l	Extract % tørstof	Protein Content	Soluble nitrogen	Kolbach Index, %	Friability, %	Limit of attenuation, %	FAN, mg/100g tørstof	β -amylase, BU/g tørstof	α -amylase, DU/g tørstof
	Gns.	Gns.	Gns.	Gns.	Gns.	Gns.	Gns.	Gns.	Gns.	Gns.	Gns.
2021	3	3	3	3	3	3	3	3	3	3	3
RGT Planet	1.46	81	82.3	8.9	648	46	97	86.8	126	874	50
Laureate	1.46	120	83.5	8.6	657	47	97	87.1	137	812	47
NOS 114.299-14	1.47	111	83.1	8.6	647	46	98	86.8	124	779	49
Lexy	1.42	50	83.1	8.8	664	47	99	86.9	129	854	57
2020	3	3	3	3	3	3	3	3	3	3	3
RGT Planet	1.53	202	83.7	9.2	731	49.3	91.7	84.9	131	939	
NOS 114.299-14	1.53	184	83.4	9.3	687	46.3	93.3	84.3	126	719	
Lexy	1.46	51	83.9	8.9	740	52.0	97.7	86.1	142	876	

Cultivating Value

LEXY INDEX RESULTS 2021

-  High extract
-  Very good cytolysis
-  Proteolysis is balanced
-  High enzyme activity
-  Low Turbidity
-  Gelatinization temp ok
-  Color ok
-  Flexi-malt



Cultivating Value

Index Result

	Laureate_45	Laureate_43	Laureate_41	RGT Planet_45	RGT Planet_43	RGT Planet_41	Lexy_45	Lexy_43	Lexy_41
Extract	1	1	3	3	4	4	2	1	3
Friability	3	3	5	1	2	4	1	1	1
Beta-Glucan	2	3	5	1	2	3	1	1	1
Viscosity	2	3	4	1	2	4	1	1	1
FAN	2	4	5	1	3	4	1	2	3
Soluble N	1	3	4	1	2	3	1	1	2
Kolback	1	2	4	1	2	3	1	1	1
FAN dev.*	6%	-1%	4%	7%	-4%	1%	4%	-5%	-6%
Soluble N dev.*	1%	3%	4%	1%	2%	3%	1%	1%	2%
Kolback dev.*	1%	2%	4%	1%	2%	3%	1%	1%	1%
Proteolyse compared to modification	5 % higher			2 % higher			5 % lower		
Alpha-Amylase	3	4	4	2	3	4	1	1	2
Beta-Amylase	4	4	4	2	2	3	3	3	3
Limit Dextrinase	3	3	3	2	2	3	2	2	2
Attenuation	2	3	3	2	3	5	2	3	3
Turbidity	1	1	1	3	2	3	1	2	3
Index **	10	12	18	12	16	21	9	9	13
Index mean ***	25			31			20		



THANK YOU FOR YOUR ATTENTION

