



# **DANISH PREFERRED – NOS 114.299-14 & LEXY**

Jens Due Jensen – Head of barley breeding



23-02-2022

*Cultivating Value*

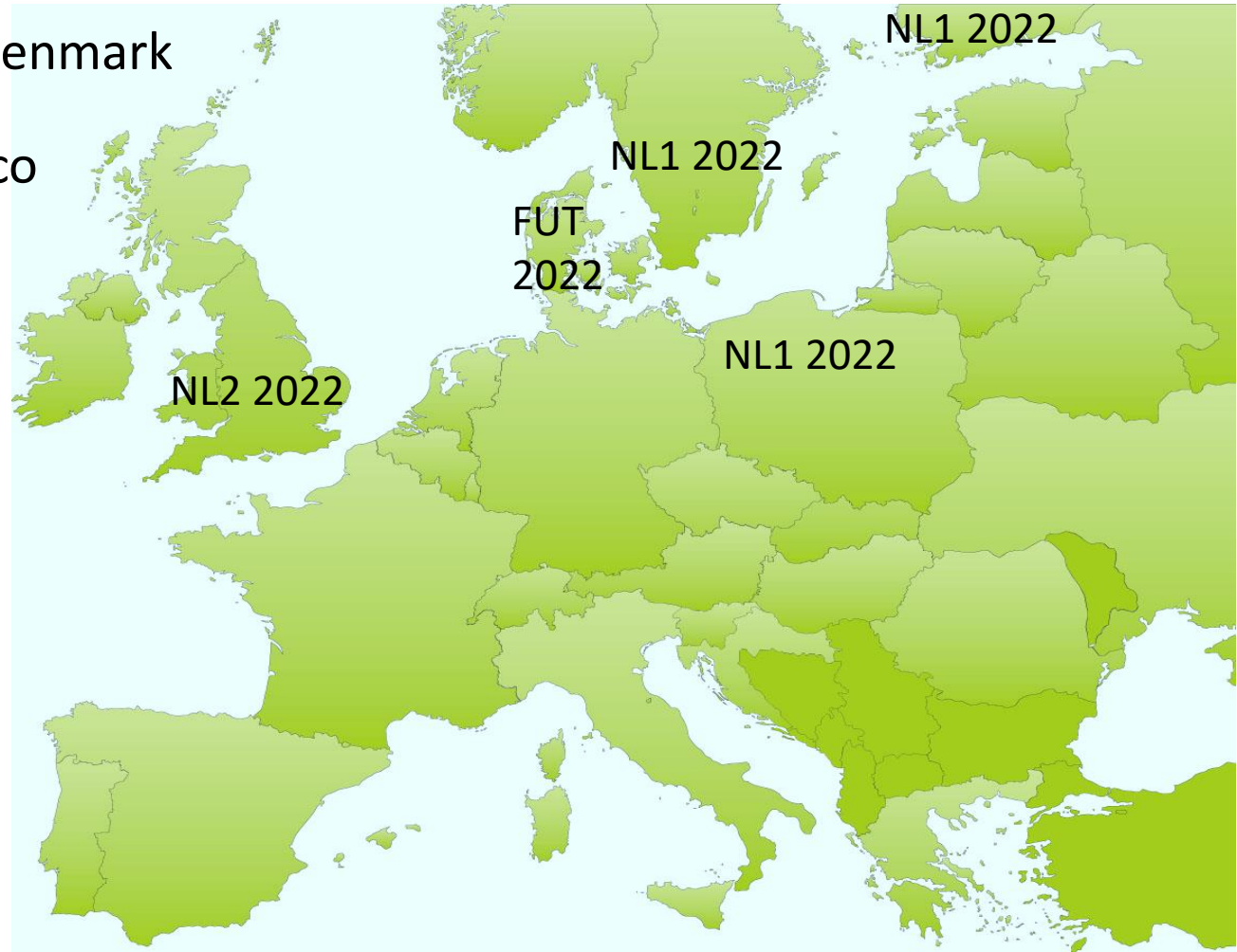
**Nordic Seed** 

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# **NOS 114.299-14 – "NOS GAMBIT"**

# NOS 114.299-14

- Breeder: Nordic Seed A/S - Denmark
- Pedigree: Laureate\*LG Nabuco
- Listed in:
  - Denmark 2021



# 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
<b>NOS 114.299-14</b>	<b>106</b>	<b>104</b>	<b>107</b>	<b>7,9</b>	<b>10,4</b>	<b>98</b>	<b>92</b>	<b>68</b>	<b>0</b>	<b>5</b>	<b>3</b>	<b>0</b>	<b>26</b>	<b>28-jul</b>	<b>70</b>	<b>0,8</b>	<b>0,3</b>	<b>2</b>	<b>1,7</b>	<b>S</b>	<b>S</b>
LEXY	101	101	101	9,5	10,2	97	82	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	$\beta$ -glucan, mg/l	Extract % tørstof	Protein Content	Soluble nitrogen	Kolbach Index, %	Friability, %	Limit of attenuation, %	FAN, mg/100g tørstof	$\beta$ -amylase, BU/g tørstof	$\alpha$ -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	8.8	647	46	98	86.8	124	779	49
Loxy	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	
Loxy	1.46	51	83.9	8.9	740	52.0	97.7	86.1	142	876	

Cultivating Value

# NOS 114.299-14 INDEX RESULTS 2021

-  High extract
-  Good cytolysis
-  Proteolysis is balanced
  - High FAN
-  Low Turbidity
-  Gelatinization temp ok
-  Color ok

## Index Result

	Laureate_45	Laureate_43	Laureate_41	RGT Planet_45	RGT Planet_43	RGT Planet_41	NOS 114.299-14_45	NOS 114.299-14_43	NOS 114.299-14_41
<b>INDEX</b>									
Extract	1	1	3	3	4	4	2	2	4
Friability	3	3	5	1	2	4	1	2	5
Beta-Glucan	2	3	5	1	2	3	1	3	4
Viscosity	2	3	4	1	2	4	2	3	5
FAN	2	4	5	1	3	4	1	3	4
Soluble N	1	3	4	1	2	3	1	2	3
Kolback	1	2	4	1	2	3	1	2	4
FAN dev.*	6%	-1%	4%	7%	-4%	1%	13%	8%	6%
Soluble N dev.*	1%	3%	4%	1%	2%	3%	1%	2%	3%
Kolback dev.*	1%	2%	4%	1%	2%	3%	1%	2%	4%
Proteolyse compared to modification	5 % higher			2 % higher			6% higher		
Alpha-Amylase	3	4	4	2	3	4	2	4	4
Beta-Amylase	4	4	4	2	2	3	5	5	5
Limit Dextrinase	3	3	3	2	2	3	2	3	4
Attenuation	2	3	3	2	3	5	3	4	3
Turbidity	1	1	1	3	2	3	1	1	1
Index **	10	12	18	12	16	21	12	15	20
Index mean ***	25			31			29		

*Cultivating Value*



**THANK YOU FOR YOUR ATTENTION**

