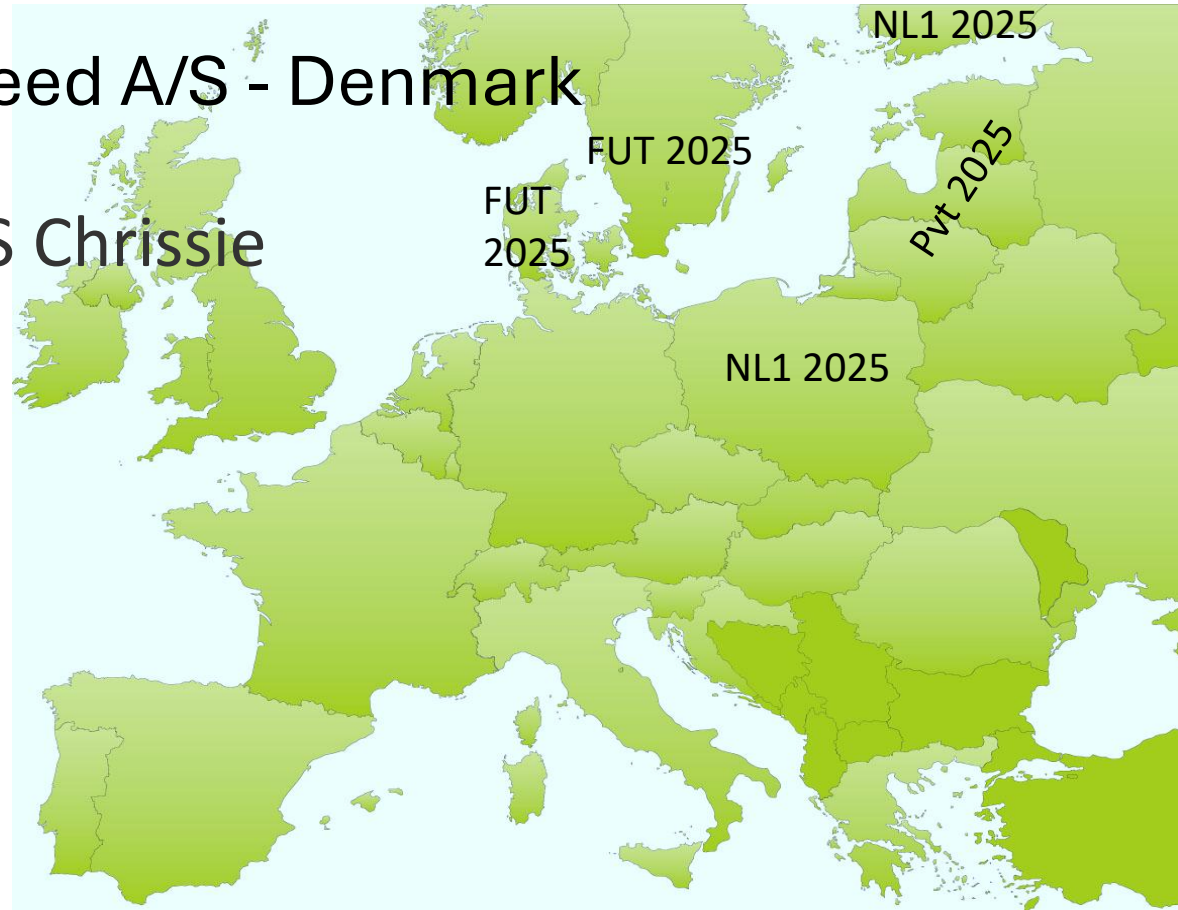


**NOS 117.246-04 – "NOS
turner"**

NOS 117.246-04 – "NOS turner"

- Breeder: Nordic Seed A/S - Denmark
- Pedigree: Wish*KWS Chrissie
- Listed in:
 - Denmark 2024



NOS 117.246-04 – "NOS turner" NL/FUT DK 2023-2024

Results from the Danish National Trials

Variety	Relative yield in the Danish National Trials							Kernel quality									
	Mean 2023+2024	Mean all years	Yield					Respons on fungicide application (hkg/ha)		Raw protein (%)		Grading > 2,5 mm (%)		Grading > 2,8 mm (%)		Hectolitre weight (kg/hl)	
			Gns.	Gns.	2024	2023	2022	2021	2020	2024	2023	2024	2023	2024	2023	2024	2023
Laureate	102	103	102	-	103	104	103	13,4	-	10,6	-	92	-	73	-	62,3	-
Prospect	96	99	96	95	100	101	101	15,8	8,3	10,8	12	87	97	61	89	63,1	66,6
NOS 117.243-02	102	102	103	101	-	-	-	16,0	-	10,2	11,0	90	98	69	87	62,5	66,4
NOS 117.246-04	104	104	107	100	-	-	-	14,5	-	10,4	11,7	93	98	77	90	61,4	65,5
Bounty	102	102	104	100	-	-	-	18,2	9,0	10,3	11,4	90	97	67	90	60,8	65,5

NOS 117.243-02 – "NOS Turner" NL/FUT DK 2023-2024

Variety	Disease resistance										Earliness and straw characters			
	Mildew (%)		Barley rust (%)		Rhynchosporium (%)		Net blotch (%)		Ramularia (%)		Straw length (cm)		Nematodes	
	2024	2023	2024	2023	2024	2023	2024	2023	2024	2023	2024	2023	I	II
Laureate	0	-	5	-	1	-	0,01		8	-	65	-	S	S
Prospect	0	0	13	19	0,1	-	0,96	0,13	12	10	63	53	R	R
NOS 117.243-02	0	0	12	14	0,02	-	0,47	0	14	-	63	52	R	R
NOS 117.246-04	0	0	14	20	1,4	-	1,1	0,15	17	-	67	55	R	R
Bounty	0	0	15	25	0,17	-	0,12	0	16	13	63	52	-	-

Tystofte malt test 2024

Malting properties VZ65, steeping degr. 45%, Spring barley 2024

Variety	Breeders reference	Viscosity, mPa*s	β -glucan, mg/l	Extract % dm	Protein Content	Soluble nitrogen, mg/100 g dm	Kolbach Index, %	Friability, %	Limit of attenuation, %	FAN, mg/100g tørstof	α -amylase, DU/g tørstof	β -amylase, BU/g tørstof
		Gns.	Gns.	Gns.	Gns.	Gns.	Gns.	Gns.	Gns.	Gns.	Gns.	Gns.
		3	3	3	3	3	3	3	3	3	3	3
Laureate	29720	1,44	129	82,9	9,1	710	49	94	84,5	146	48	843
Prospect	30403	1,44	98	82,4	9,3	754	51	92	83,8	152	44	837
NOS 117.243-02	36813	1,43	106	82,9	8,8	768	55	94	84,0	163	50	766
NOS 117.246-04	36814	1,44	103	83,6	8,7	724	52	96	84,1	152	39	761
Bounty	36229	1,44	81	82,5	8,7	692	49	96	85,0	135	53	808

NOS 117.243-02 – "NOS Turner" Index 2024

- High Extract
- Good Cytolysis
- Proteolysis is balanced (low)
- High enzyme activity
- Medium Turbidity
- Gelatinization lower as ref
- Color as refs

Index Result 2024	Reference 1			Reference 2					
	LAUREATE_41	LAUREATE_43	LAUREATE_45	PROSPECT_41	PROSPECT_43	PROSPECT_45	NOS 117.246-04_41	NOS 117.246-04_43	NOS 117.246-04_45
Extract	5	3	2	5	4	4	5	3	2
Friability	5	3	3	4	3	2	3	2	1
Beta-Glucan	4	2	1	5	2	1	4	2	1
Viscosity	4	2	1	4	3	2	3	2	1
FAN	5	3	1	4	3	1	4	3	2
Soluble N	5	3	2	4	3	2	5	4	2
Kolback	4	2	1	4	3	2	4	3	1
FAN dev.*	-2%	-4%	4%	16%	1%	10%	-12%	-7%	-1%
Soluble N dev.*	-1%	-2%	2%	7%	1%	2%	-1%	-8%	-3%
Kolback dev.*	0%	0%	4%	5%	-3%	-3%	2%	-5%	0%
Proteolyse compared to modification	As expected			4 % higher			4 % lower		
Alpha-Amylase	4	3	2	5	4	3	5	5	3
Beta-Amylase	3	3	3	3	3	3	3	4	3
Limit Dextrinase	3	3	3	5	3	3	5	5	3
Attenuation	4	4	3	5	4	3	4	3	2
Turbidity	1	1	2	1	1	1	3	2	2
Index **	22	16	12	24	18	16	23	16	11
Index mean ***	31			37			30		

