

Cooperation between TystofteFoundation and SEGES Innovation

TystofteFonden

- Non-governmental institution
- Official testing on behalf of the Ministry of Food, Agriculture and Fisheries
- National listing of varieties (Avarieties)
 - DUS (Different, Uniform, Stable)
 - VCU (Value of Cultivation and Use)
 - Identity (control plots)
 - Baking test
 - Malting test

Cooperation

- Protocols
- A- and Bvarieties in the same trials
- Identity
- Revision of trial results, also with TI

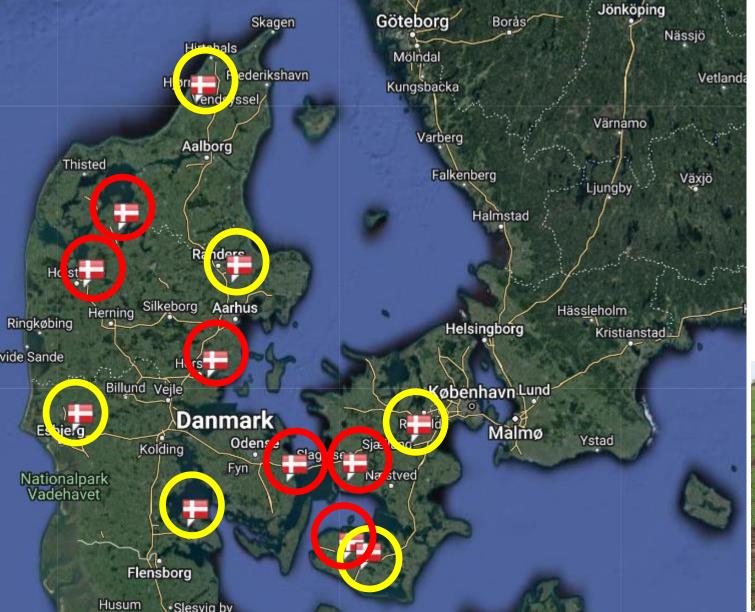
SEGESINNOVATION

- Independent research and development organization
- 'National variety trials' for companies that want to market varieties (B-varieties) in Denmark
 - Yield trials
 - With and without fungicide treatment (cereals)
 - Quality analysis
 - Registration of diseases, lodging etc.

All testing and all trials are financed by breeders and representatives



Variety trials in winter wheat 2023



- Two trial series
- Varieties under test for National Listing registration
 - A- and B-varieties
 - TystofteFoundation
- Varieties in National field trials
 - A+- and B-varieties
 - SEGES Innovation

A+ is additional VCU-testing with and without fungicide treatment





Publication





- All results are published at SortInfo just after harvest and revision
- In December results are also published in Landsforsøgene



SortInfo – all information about varieties <u>www.sortinfo.dk</u>

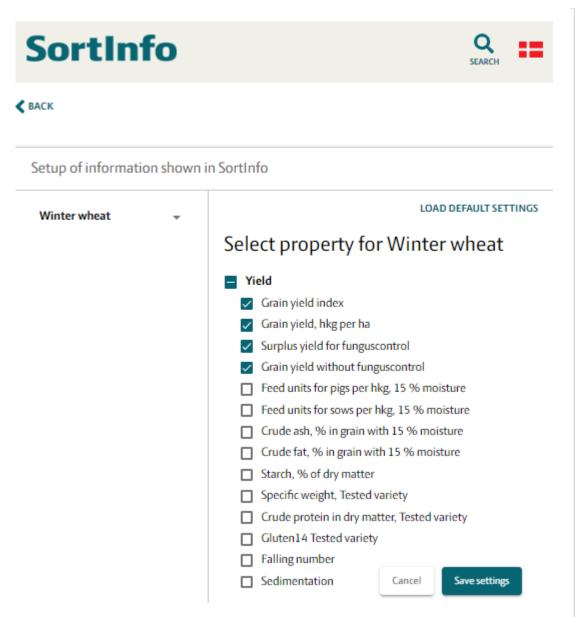
SortInfo





Winter wheat ▼	National tria	ls ▼ Latest year									
winter wheat • National trials • Latest year •											
		Yield			Diseases (Observation Plots)			Cultivation (Observation Plots)			IPM Score
	Grain yield ind (index)	dex Grain yield, hkg per ha (hkg/ha)	Specific weight, (kg/hl)	Crude protein in dry matter (%)	Mildew coverage (%)	Septoria coverage (%)	Yellow rust coverage (%)	Ripening date	Straw length (cm)	Lodging (score 0 - 10)	IPM total Score (score 0 - 19)
Showing 49 of 49 rows	曲曲	≐●	曲●	曲●	曲⊕	曲曲	曲●	曲曲	曲⊕	曲◆	•
Year	2022	2022	2022	2022	2022	2022	2022	2022	2022	2021	2021
LSD	2.0	3.00	1.00	-	-	-	-	-	-	-	-
NOS 514218.07	106 (10)	126.5 (10)	76.5 (10)	9.0 (10)	1.2 (6)	7 (12)	0.00 (5)	05/08 (6)	89 (5)	-	
Guinness	105 (10)	125.2 (10)	78.6 (10)	9.5 (10)	2.9 (6)	8 (12)	0.02 (5)	04/08 (6)	94 (5)	-	
Champion	103 (10)	123.1 (10)	76.9 (10)	9.3 (10)	14 (6)	13 (12)	0.04 (5)	03/08 (6)	81 (5)	0.0 (4)	10
HK-hvedeMIX 2022	103 (10)	122.5 (10)	78.7 (10)	9.2 (10)	0.15 (6)	5 (12)	0.00 (5)	05/08 (6)	82 (5)	-	-
☐ DLG Wheat Mix Star	102 (10)	121.8 (10)	78.3 (10)	9.3 (10)	1.0 (6)	4.1 (12)	1.6 (5)	05/08 (6)	87 (5)	-	-
Pondus	102 (10)	121.8 (10)	78.0 (10)	9.4 (10)	2.2 (6)	3.0 (12)	0.00 (5)	06/08 (6)	86 (5)	0.0 (4)	8
☐ KW 2528-20	102 (10)	121.4 (10)	81.0 (10)	9.7 (10)	2.2 (6)	4.7 (12)	0.00 (5)	03/08 (6)	88 (5)	-	-
☐ KWS W434	102 (10)	121.3 (10)	78.3 (10)	9.4 (10)	2.4 (6)	14 (12)	0.00 (5)	07/08 (6)	82 (5)	-	-
NOS Hvede Mix 2220	101 (10)	120.6 (10)	78.3 (10)	9.4 (10)	0.56 (6)	4.9 (12)	0.02 (5)	03/08 (6)	89 (5)	-	-
☐ SU Willem	101 (10)	120.5 (10)	80.5 (10)	9.9 (10)	1.8 (6)	8 (12)	12 (5)	03/08 (6)	97 (5)	-	
RGT Stokes	101 (10)	120.2 (10)	77.9 (10)	9.2 (10)	2.1 (6)	5 (12)	3.3 (5)	06/08 (6)	83 (5)	0.0 (4)	8
SY Revolution	101 (10)	120.0 (10)	80.7 (10)	9.6 (10)	0.52 (6)	6 (11)	0.00 (5)	03/08 (6)	87 (4)	-	-

Choose the information You want



nt	☐ Certified seed, tons
	☐ Prebasic seed
☐ Agronomic data (Yield trials)	■ Basic seed
☐ Tendency to lodging, score 0-10	C1 seed
☐ Score, feed value, pigs	C2 seed
☐ Diseases (Observation Plots)	☐ Area with certified
■ Mildew coverage	Prebasic, area
☐ Septoria coverage	 Basic, area
☐ Yellow rust coverage	C1, area
☐ Brown rust coverage	C2, area
Coverage of ear diseases	☐ Area with certified
☐ Tan Spot (Yellow Leaf Spot)	□ Prebasic, area
Septoria in the ear, coverage	Basic, area
	C1, area
☐ Fusarium in ears, % coverage	C2, area
☐ Artifical infection	☐ Susceptibility group
Yellow rust, patotype: VYr 1,2,3,9,15,17	■ Mildew
☐ Yellow rust, patotype: VYr 1,2,3,6,9,17	☐ Septoria
Yellow rust, patotype: VYr 1,2,3,CV	■ Brown rust (Pucci
☐ Yellow rust, patotype, Vyr 1,2,3,4,6,9,17	☐ Yellow rust (Pucci
Yellow rust, patotype, Vyr 1,2,3,4,9,17	☐ Tan spot
☐ Wheat bunt	☐ Fusarium, ear
☐ Percent of heads with Fusarium	□ Eyespot
☐ Tan spot, artificial infection	☐ List of bread wheat
Cultivation (Observation Plots)	☐ Bread wheat varie
☐ Ripening date	
☐ Dead plants	
Vitality	

Straw length

_		
Prebasic seed		
■ Basic seed		
C1 seed		
☐ C2 seed		
☐ Area with certified seed		
Prebasic, area		
Basic, area		
C1, area		
C2, area		
☐ Area with certified organic seed		
Prebasic, area		
Basic, area		
C1, area		
C2, area		
☐ Susceptibility group in Plantprot	ection Onli	ne
Mildew		
☐ Septoria		
■ Brown rust (Puccinia recondita)		
Yellow rust (Puccinia striiformis)	
□ Tan spot		
Fusarium, ear		
Eyespot		
List of bread wheat varieties	Cancel	Save settings
■ Bread wheat variety		
	CEC	EC



Grain yield without fungus control – find the best varieties

SortInfo















Winter wheat ▼ National trials ▼ Latest year ▼								
	Yield							
	Grain yield index (index)	Grain yield, hkg per ha (hkg/ha)	Surplus yield for funguscontrol (hkg/ha)	Grain yield without funguscontrol (hkg/ha) ↓				
Showing 49 of 49 rows	曲●	曲●	≐●	#				
Year	2022	2022	2022	2022				
LSD	2.0	3.00	4.00	5.00				
NOS 514218.07	106 (10)	126.5 (10)	3.6 (4)	122.6 (4)				
Guinness	105 (10)	125.2 (10)	4.0 (4)	119.0 (4)				
DLG Wheat Mix Star	102 (10)	121.8 (10)	3.1 (4)	116.6 (4)				
☐ KW 2528-20	102 (10)	121.4 (10)	3.5 (4)	116.2 (4)				
SU Willem	101 (10)	120.5 (10)	4.7 (4)	114.8 (4)				

Fast turn over of winter wheat varieties

