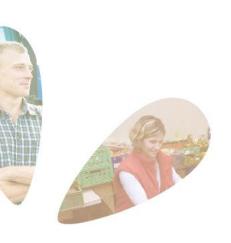




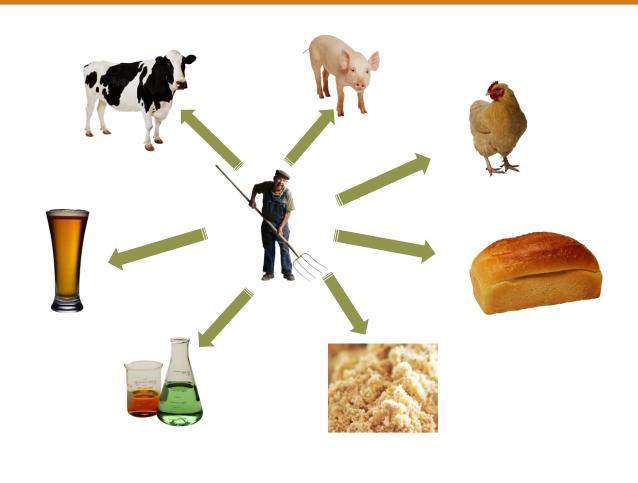
Who are Copa and Cogeca? (1)

- *Copa
- Created in 1958, Copa represents 20 million European farmers and family members
- *Cogeca
- *Created in 1959, Cogeca represents 20,000 European agricultural cooperatives
- *Copa and Cogeca
- *In 1962, a joint Secretariat was created, making Copa-Cogeca one of the largest and most active lobby organisations in Brussels





The modern farmer's key decision







Marked regulation on Seed and Propagating Material

- *The regulation applies in all EU countries. Level playing field.
- *Variety list with DUS and Sustainability test (VCSU)
- *Guarantee for identification and quality via certification
- *Common Catalogue is a needed info for the farmers





Patents versus Plant Variety Rights

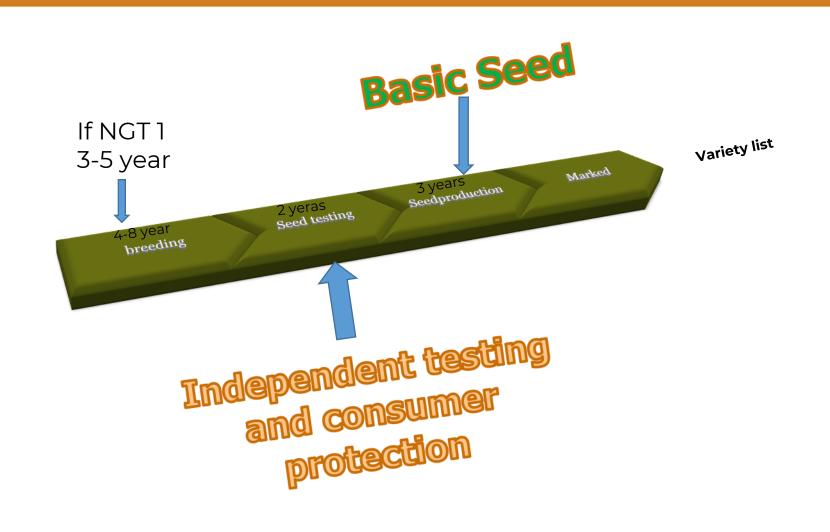
Patents	Plant Variety Rights
Breeders Genepool= invention	Gene pool ≠ invention
IP protection closed	IP protection open
Exclusive right for the patent holder	Breeders' privilege
License = grey zone	Royalties





* Farmers will not pay more in royalties Patents will only make the FSS to bigger problem

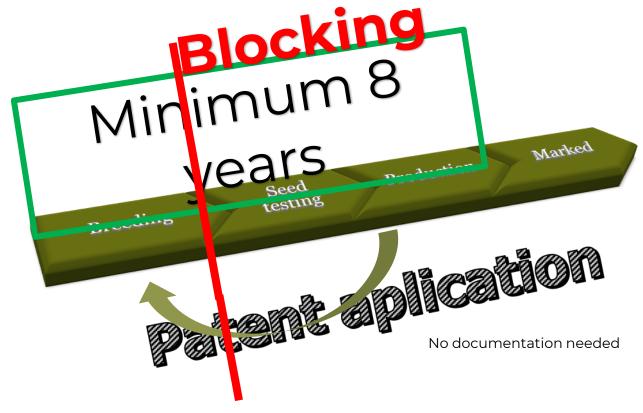
CPVR/PRM







CPVR or Patent systemet

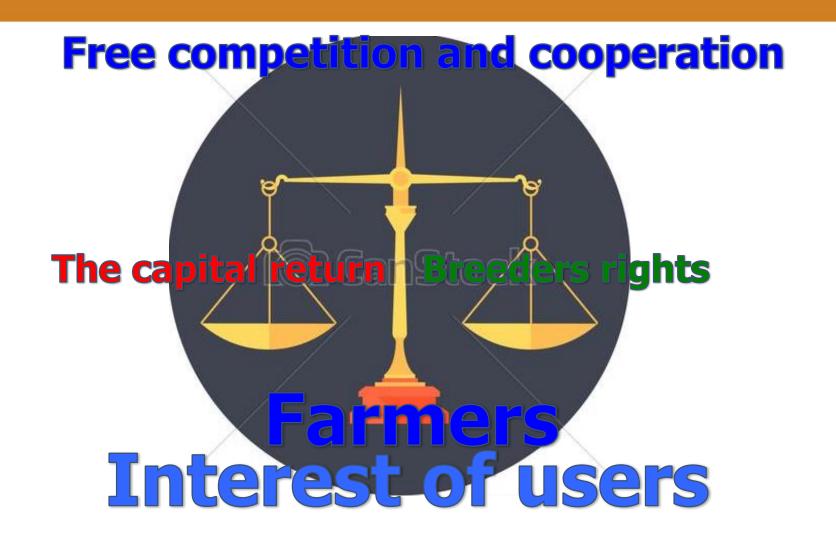


Does not need to be documented, You just have to make a probable description



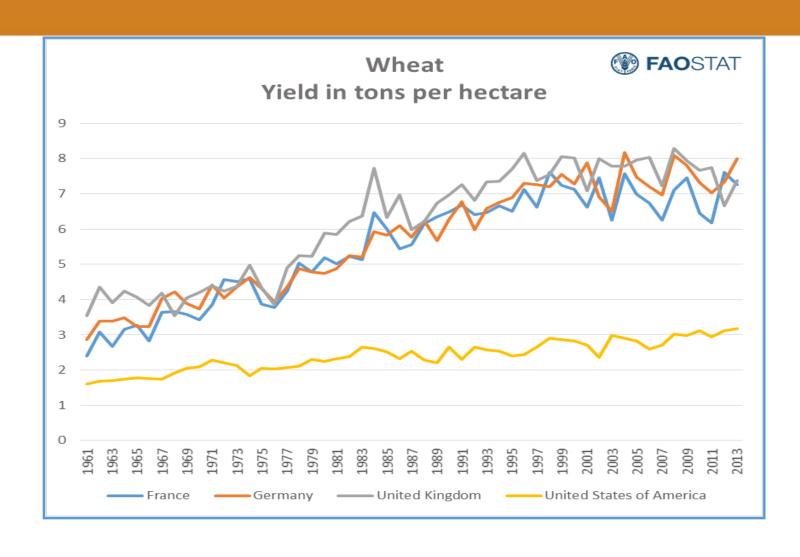


Finding the balance to get innovation!



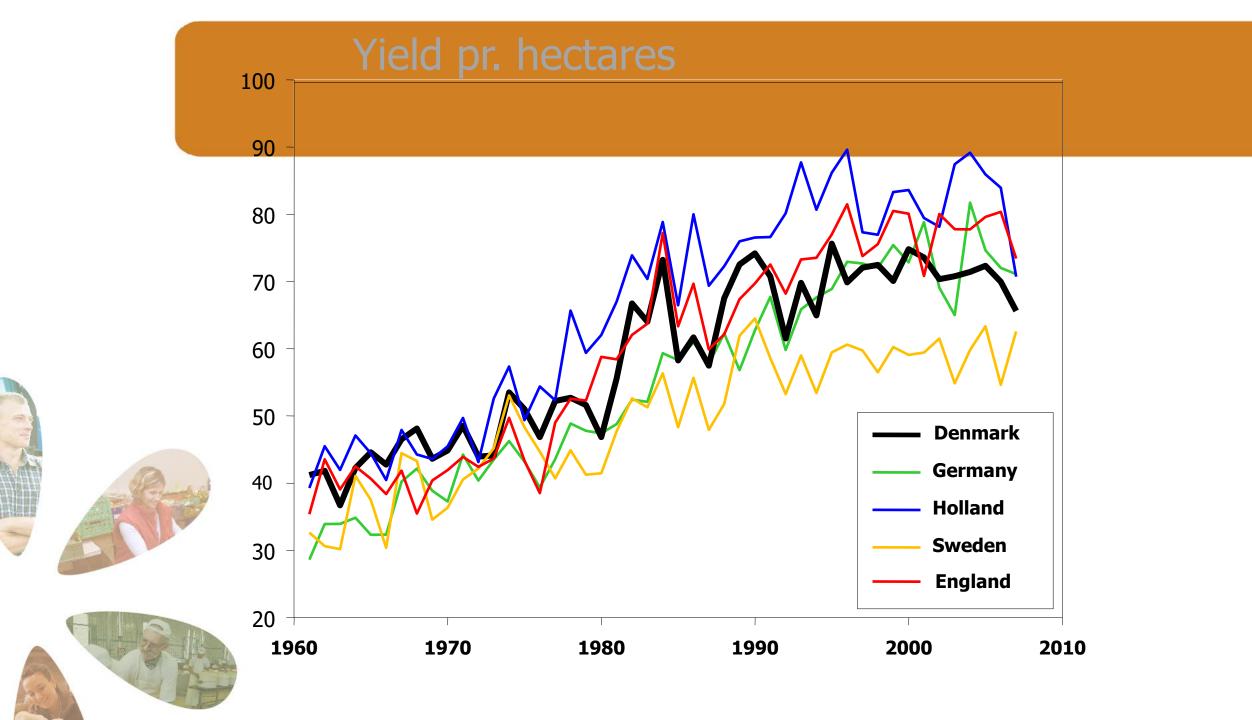


EU Main producers /USA

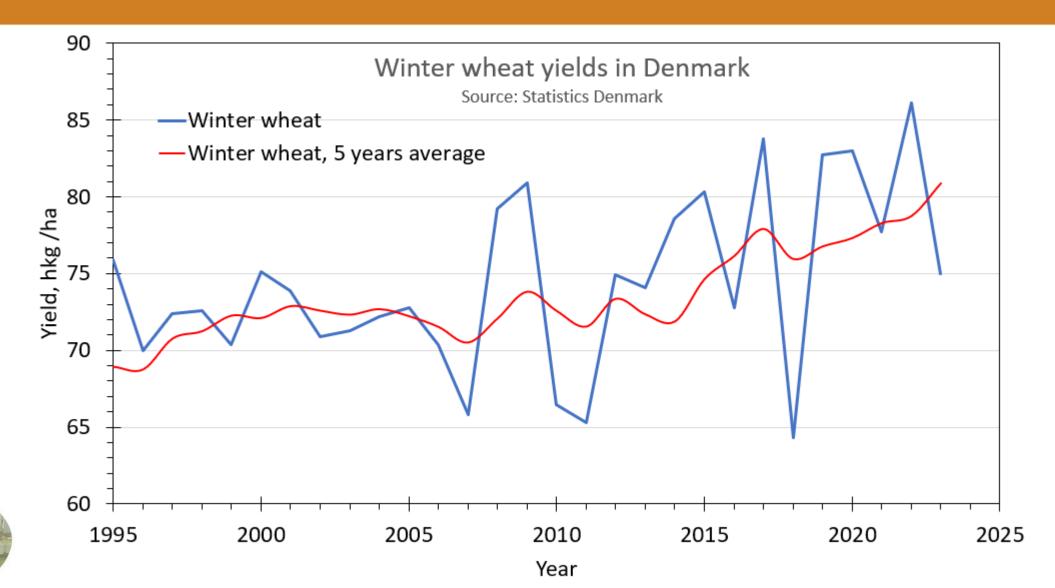








Reduction of N with 50 % in 30 year and the use of PPP with 20 year





Treatment Index in Denmark and Germany

	DK 2	024	Gernay 2021-23			
	Wheat	W. Rape	Wheat	Winter rape		
Herbac.	-,-		2,0	2,2		
Growsreg.			?	?		
Fungi	1,12	0,43	2,4	1,0 2,7		
Insect	0,33	0,83	0,8			
TI in total	2,95	2,78	> 5,2	> 5,9		





The perfect Variety list

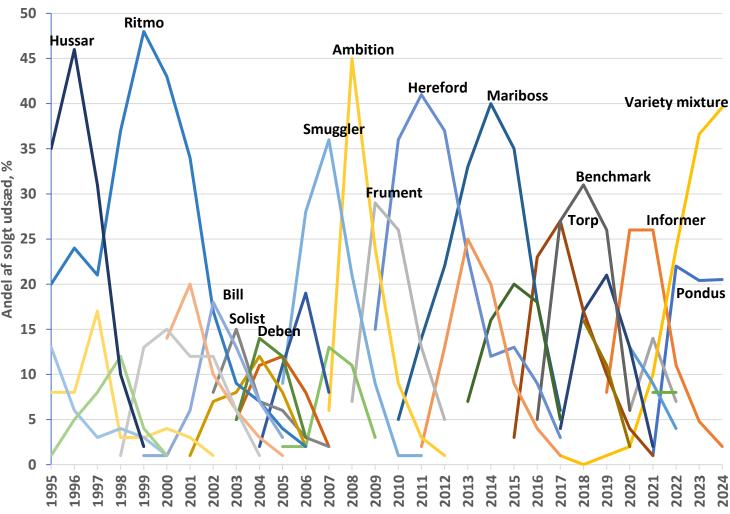
Ove	Overview for winter wheat (varieties in National trials 2015, latest data)											
	Yield 1)			Agronomic data (Yield trials) 1) Diseases ((Observation Plots) 2)		Cultivation (Observation Plots) 2				
		Grain yield index	Grain yield,	Starch,	Crude protein in dry matter,	Specific weight, Tested variety	Mildew coverage	Septoria coverage	Yellow rust coverage	Ripening date	Straw length	Lodging
20	election:) out of		hkg per ha	in dry matter	Tested variety							
	varieties now all	(index)	(hkg/ha)	(%)	(%)	(kg/hl)	(%)	(%)	(%)	-1 201	(cm)	(score 0 - 10)
	iow dii		1		1	1	1	E	1	1	1	
	Year	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015
	O Sorting	•	0	0	0	0	0	0	0	0	0	0
1.	Benchmark	106 (10)	110,8 (10)	71,1 (10)	9,3 (10)	77,2 (10)	2,4 (5)	11 (6)	8 (15)	15/8 (6)	88 (4)	0,1 (8)
2.	Kalmar 🔯	103 (10)	107,1 (10)	72,3 (10)	9,0 (10)	75,4 (10)	2,6 (5)	4,3 (6)	0,1 (15)	15/8 (6)	80 (4)	1,6 (8)
3.	KWS Silverstone	102 (10)	106,6 (10)	72,8 (10)	8,9 (10)	78,1 (10)	1,1 (5)	20 (6)	0,01 (15)	16/8 (6)	78 (4)	0,9 (8)
4.	KWS Nils	101 (10)	105,6 (10)	71,8 (10)	9,7 (10)	78,6 (10)	1,9 (5)	11 (6)	1,6 (15)	16/8 (6)	88 (4)	0,5 (8)
5.	Albert	101 (10)	105,6 (10)	72,0 (10)	9,4 (10)	78,6 (10)	11 (5)	3,3 (6)	4,0 (15)	15/8 (6)	85 (4)	0,1 (8)
6.	<u>Graham</u>	101 (10)	105,4 (10)	71,8 (10)	9,2 (10)	77,2 (10)	1,1 (5)	6 (6)	0,2 (15)	15/8 (6)	75 (4)	0,8 (8)
7.	Kadett 1	100 (10)	104,5 (10)	71,3 (10)	8,9 (10)	75,9 (10)	5 (5)	9 (6)	2,6 (15)	16/8 (6)	84 (4)	1,9 (8)
8.	KWS Cleveland	100 (10)	104,0 (10)	71,2 (10)	9,0 (10)	73,6 (10)	1,2 (5)	15 (6)	0,08 (15)	15/8 (6)	77 (4)	0,7 (8)
9.	<u>Hereford</u>	99 (10)	103,9 (10)	72,0 (10)	8,8 (10)	76,5 (10)	4,6 (5)	16 (6)	0,5 (15)	15/8 (6)	84 (4)	0,0 (8)
10.	Escalate	99 (10)	103,6 (10)	71,9 (10)	9,1 (10)	75,9 (10)	4,2 (5)	5 (6)	10 (15)	17/8 (6)	83 (4)	0,4 (8)
11.	KWS Lasse	99 (10)	103,5 (10)	71,2 (10)	9,3 (10)	75,7 (10)	1,0 (5)	8 (6)	0,01 (15)	15/8 (6)	89 (4)	0,8 (8)
12.	Tonnage Tonnage	99 (10)	103,1 (10)	71,8 (10)	8,6 (10)	74,7 (10)	3,1 (5)	8 (6)	0,8 (15)	14/8 (6)	88 (4)	2,8 (8)
13.	<u>Hybery</u>	97 (10)	101,8 (10)	72,0 (10)	9,5 (10)	77,9 (10)	7 (5)	13 (6)	0,01 (15)	16/8 (6)	93 (4)	0,0 (8)
14.	Nakskov 	96 (10)	99,9 (10)	72,1 (10)	9,3 (10)	75,3 (10)	2,8 (5)	10 (6)	0,08 (15)	16/8 (6)	85 (4)	1,3 (8)
15.	KWS Loft	95 (10)	99,7 (10)	71,8 (10)	10,2 (10)	80,1 (10)	1,7 (5)	3,5 (6)	24 (15)	15/8 (6)	86 (4)	1,1 (8)
16.	Elixer [7]	95 (10)	99,6 (10)	71,2 (10)	9,8 (10)	78,8 (10)	2,0 (5)	6 (6)	0,3 (15)	16/8 (6)	87 (4)	1,4 (8)
17.	<u>Jensen</u>	94 (10)	98,3 (10)	71,7 (10)	9,2 (10)	78,1 (10)	0,6 (5)	7 (6)	1,4 (15)	17/8 (6)	86 (4)	0,4 (8)
18.	<u>Ajax</u>	93 (10)	97,6 (10)	72,1 (10)	9,8 (10)	79,2 (10)	6 (5)	6 (6)	0,01 (15)	15/8 (6)	87 (4)	0,4 (8)
19.	Folklor [92 (10)	95,8 (10)	71,4 (10)	9,7 (10)	76,3 (10)	5 (5)	6 (6)	0,8 (15)	14/8 (6)	80 (4)	1,0 (8)
20.	Mariboss 😰	90 (10)	94,3 (10)	70,3 (10)	9,0 (10)	74,6 (10)	4,8 (5)	10 (6)	0 (15)	17/8 (6)	85 (4)	1,0 (8)





New varieties are old after 2-5 years





Better Varieties needed more than ever!

- Climate Change
- Pesticide resistant
- Special Industry demands
- Feed the world!
- Political movements!





Thank you

