



The importance of new plant varieties for farmers and growers, FARMERS' POINT OF VIEW

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Chairman Working party on Seed

Seminar on Farm Saved Seed

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copa***cogeca**
european farmers european agri-cooperatives

copa

european farmers



cogeca

european agri-cooperatives

- Created in **1958**
- 22 million** European farmers and family members
- 60** full members from the EU Member States and 36 partner organisations

- Created in **1959**
- 22,000** European agricultural cooperatives
- 35** full members from the EU Member States, 4 affiliated members and 36 partner organisations



In **1962**, a joint Secretariat was created, making it one of the largest and most active organisations in Brussels for the past **60** years.

If you ask Farmers Benefits of protection ?????

- Farmers from 28 different countries will give more than 50 different answers!
- Majority of farmers want new and better varieties, but do they want to pay?
- Different from country to country have focus farmers are on new varieties.
- Different from country to country what farmers demand from a new varieties.
- The larger the farm the greater knowledge of the relationship between new varieties and improved yields



Better Varieties needed more than ever!

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

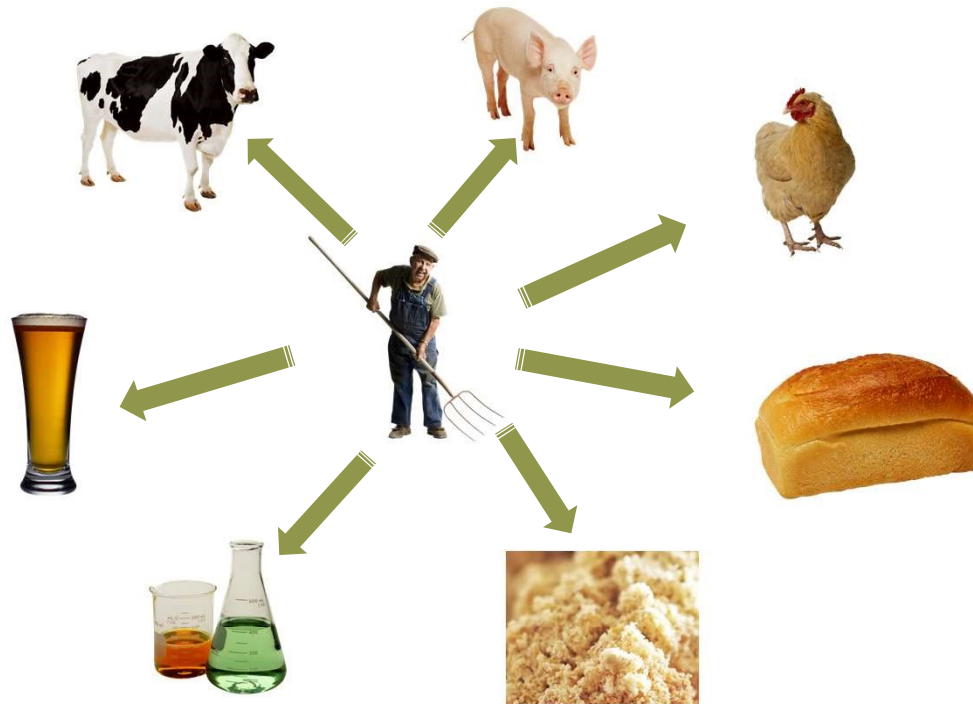


What is interesting for the farmers

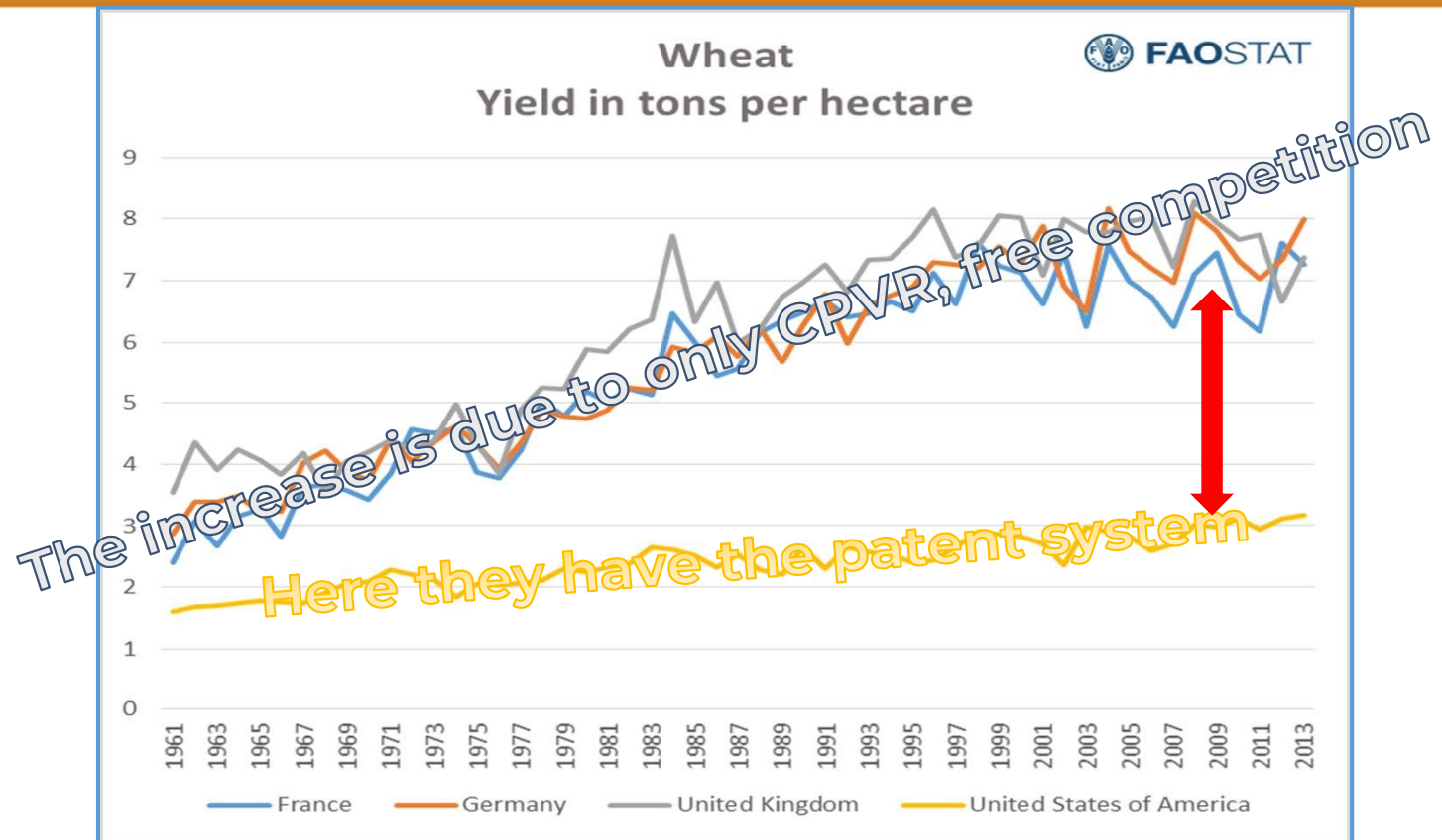
- To know all about the variety and the possible benefit
- It is the VCU



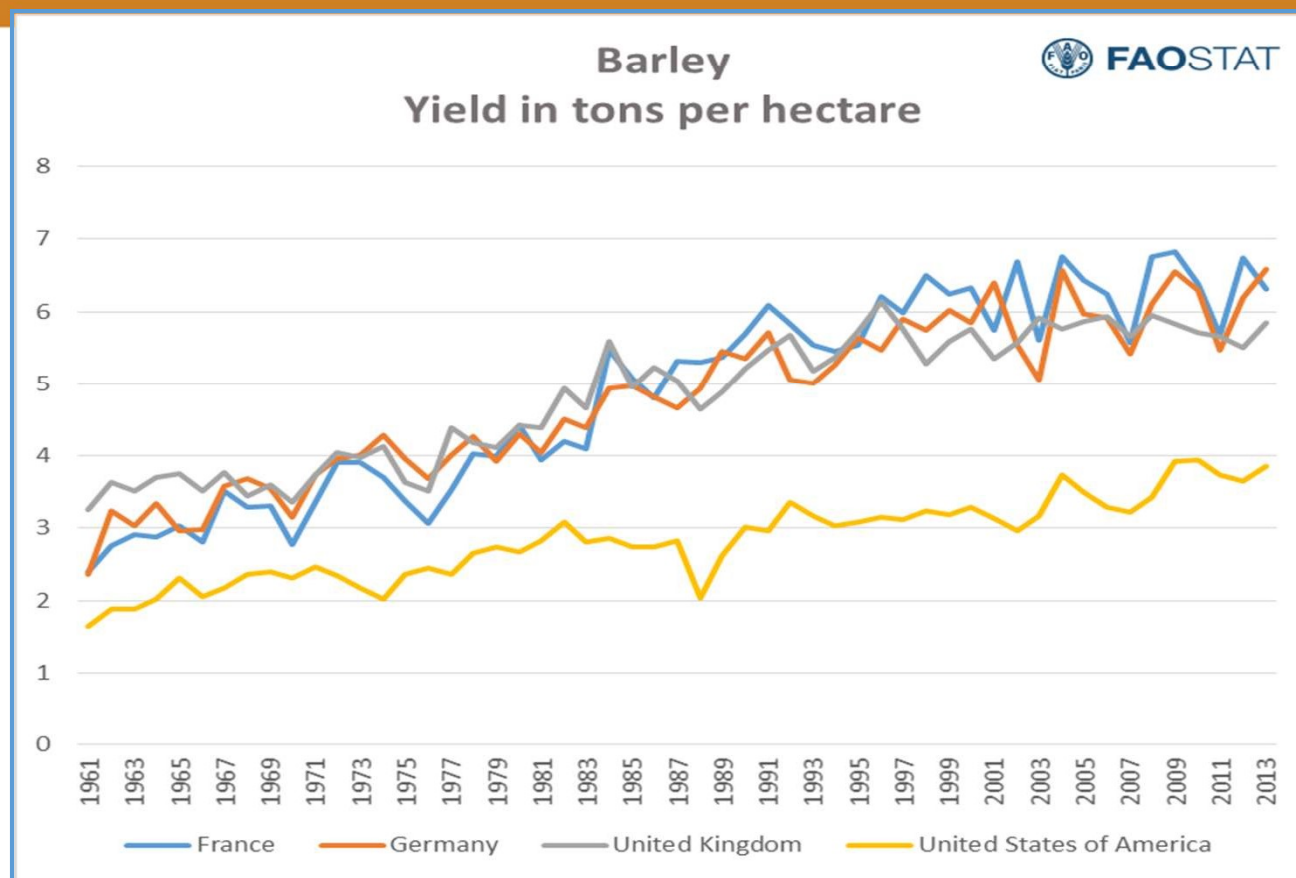
The modern farmer's key decision



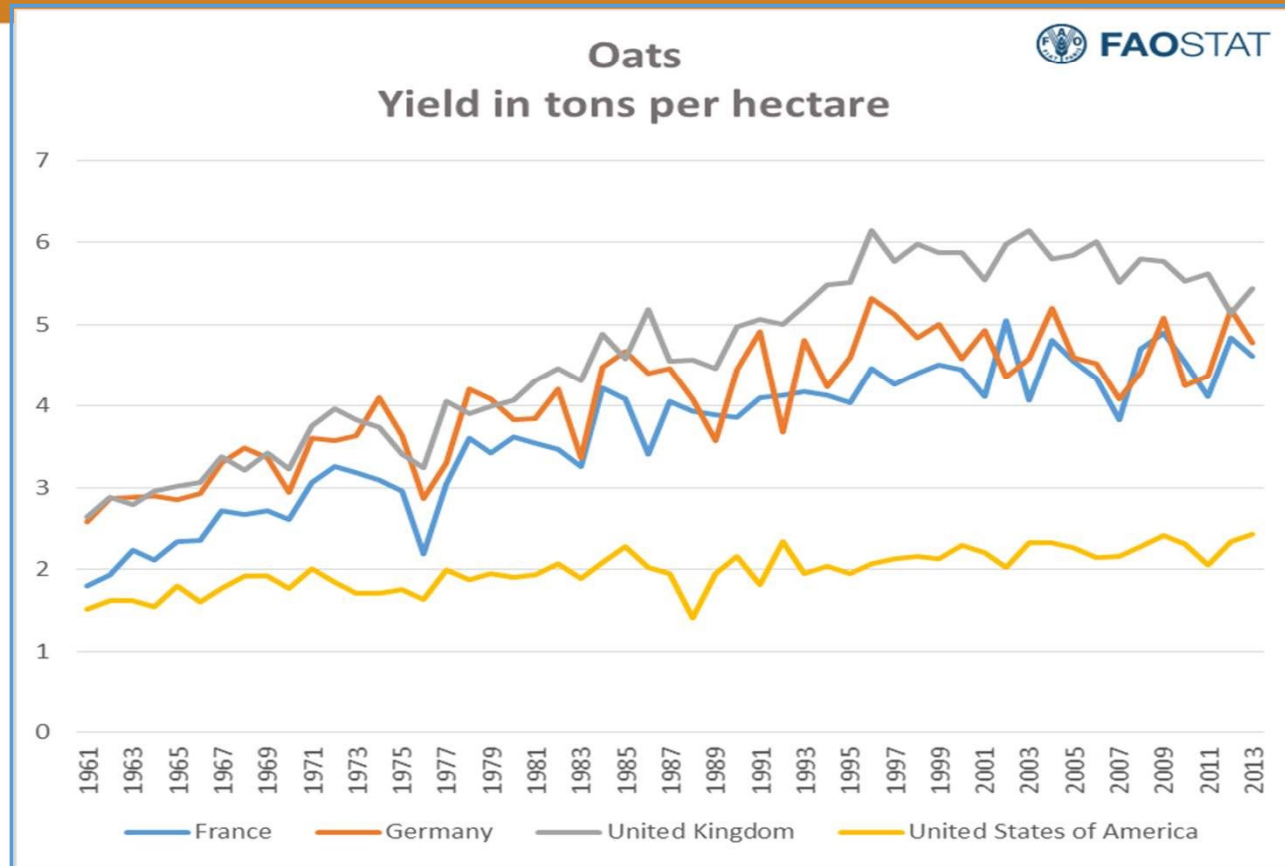
EU Main producers /USA



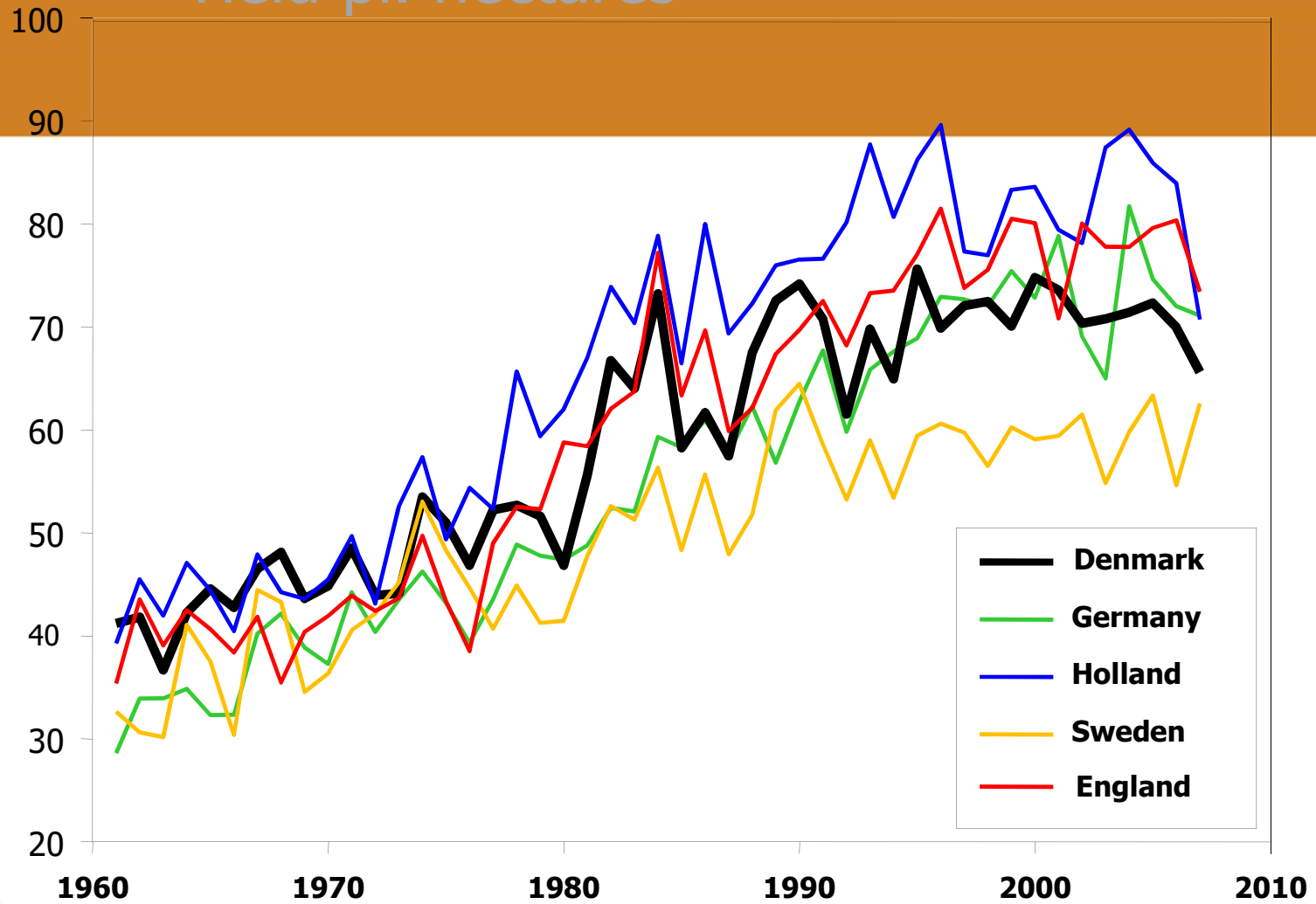
EU Main producers /USA



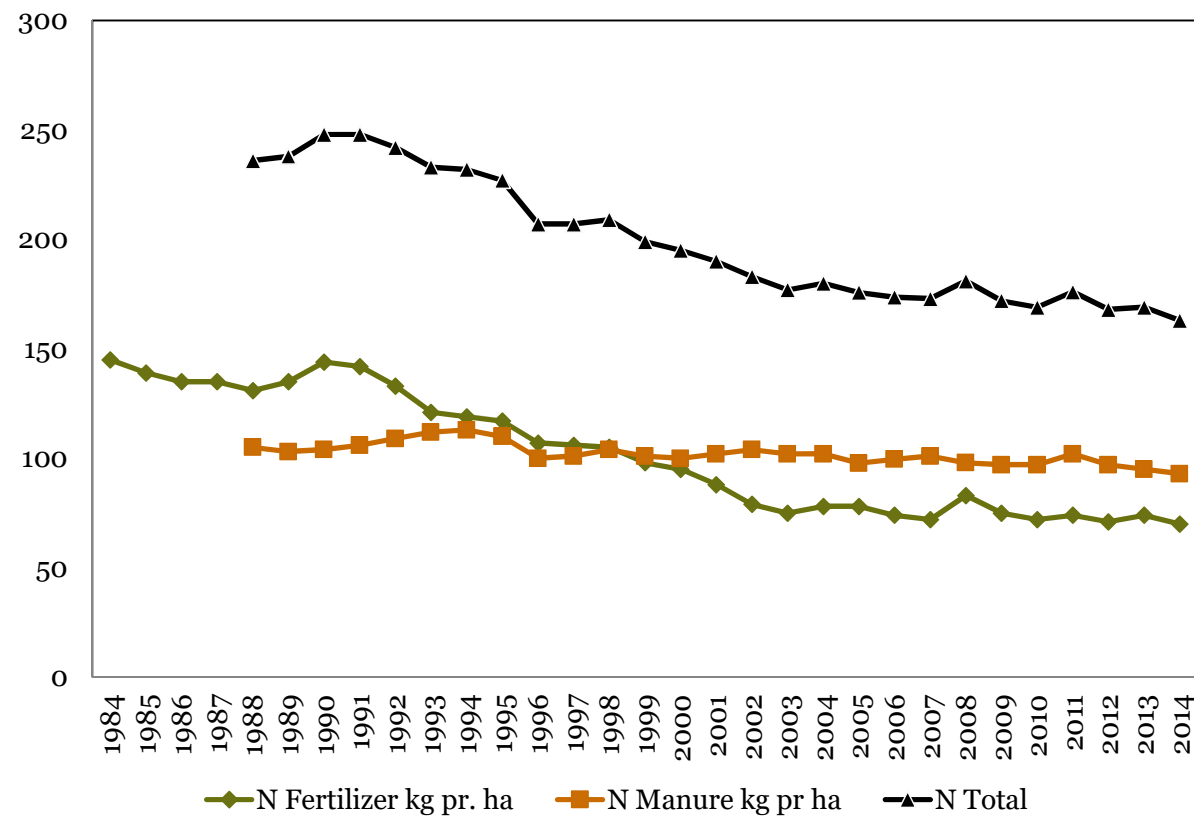
EU Main producers /USA



Yield pr. hectares

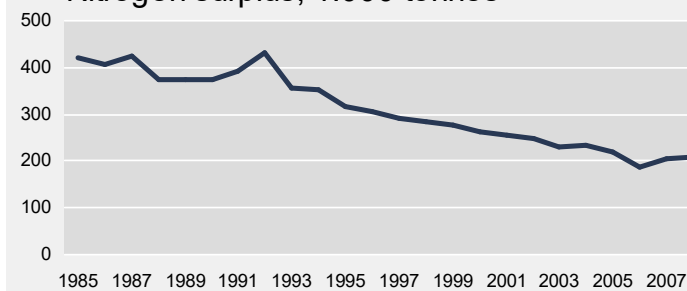


Danish input of Nitrogen pr. Hectar

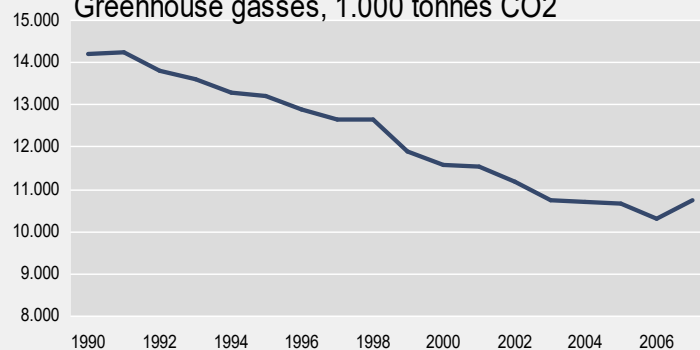


Danish Reductions in environmental impact

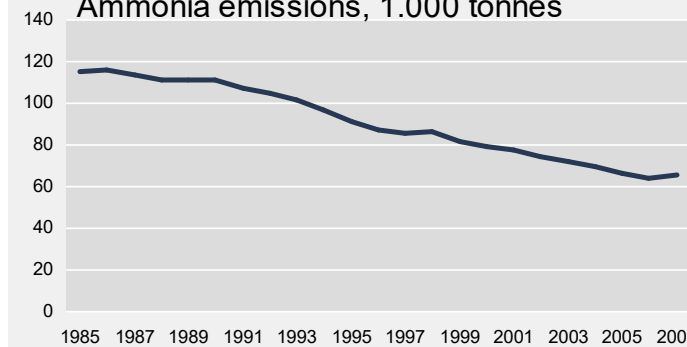
Nitrogen surplus, 1.000 tonnes



Greenhouse gasses, 1.000 tonnes CO2



Ammonia emissions, 1.000 tonnes

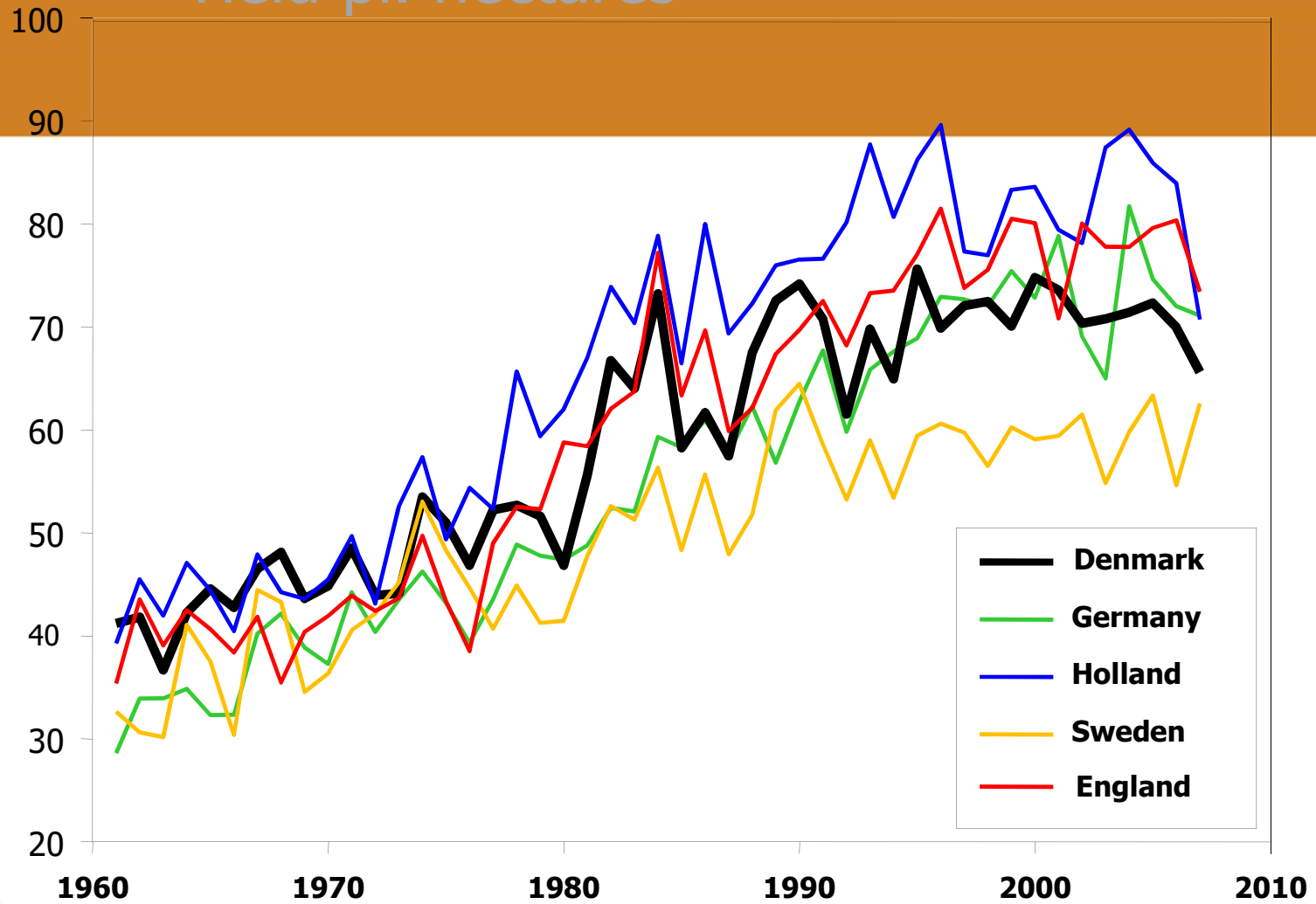


Treatment Index in Denmark and Germany

	DK 2014		Gernay 2011-13	
	Wheat	W. Rape	Wheat	Winter rape
Herbac.	1,44	1,71	2,0	2,2
Growsreg.	0,26	0,02	?	?
Fungi	1,22	0,63	2,4	1,0
Insect	0,33	0,83	0,8	2,7
TI in total	3,25	3,18	> 5,2	> 5,9

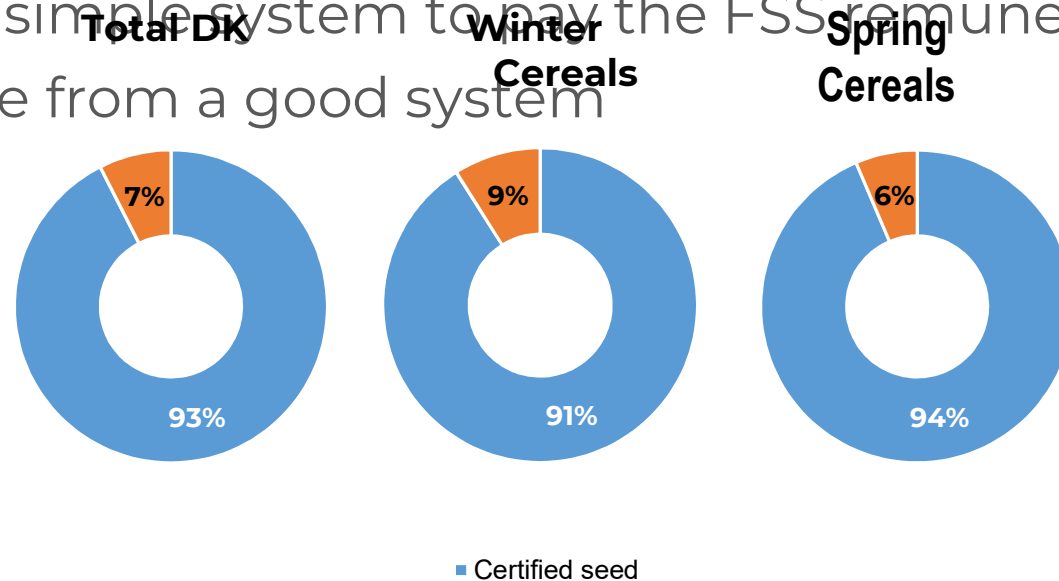


Yield pr. hectares

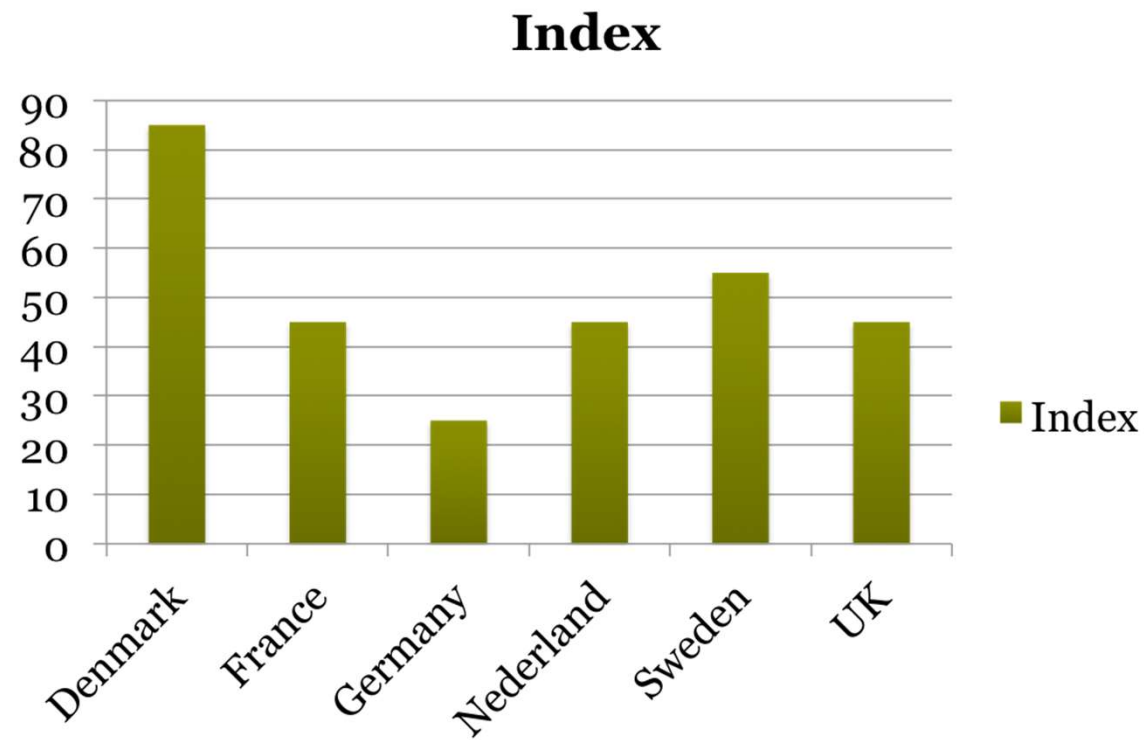


The private and non-commercial use exemption? FSS


































- Farmers use their own seed, if they can't see the benefit in using a new variety.
- 3 farmers work together, and they want to use their own seed, or save money on good seed
- A more simple system to pay the FSS remuneration
- Example from a good system



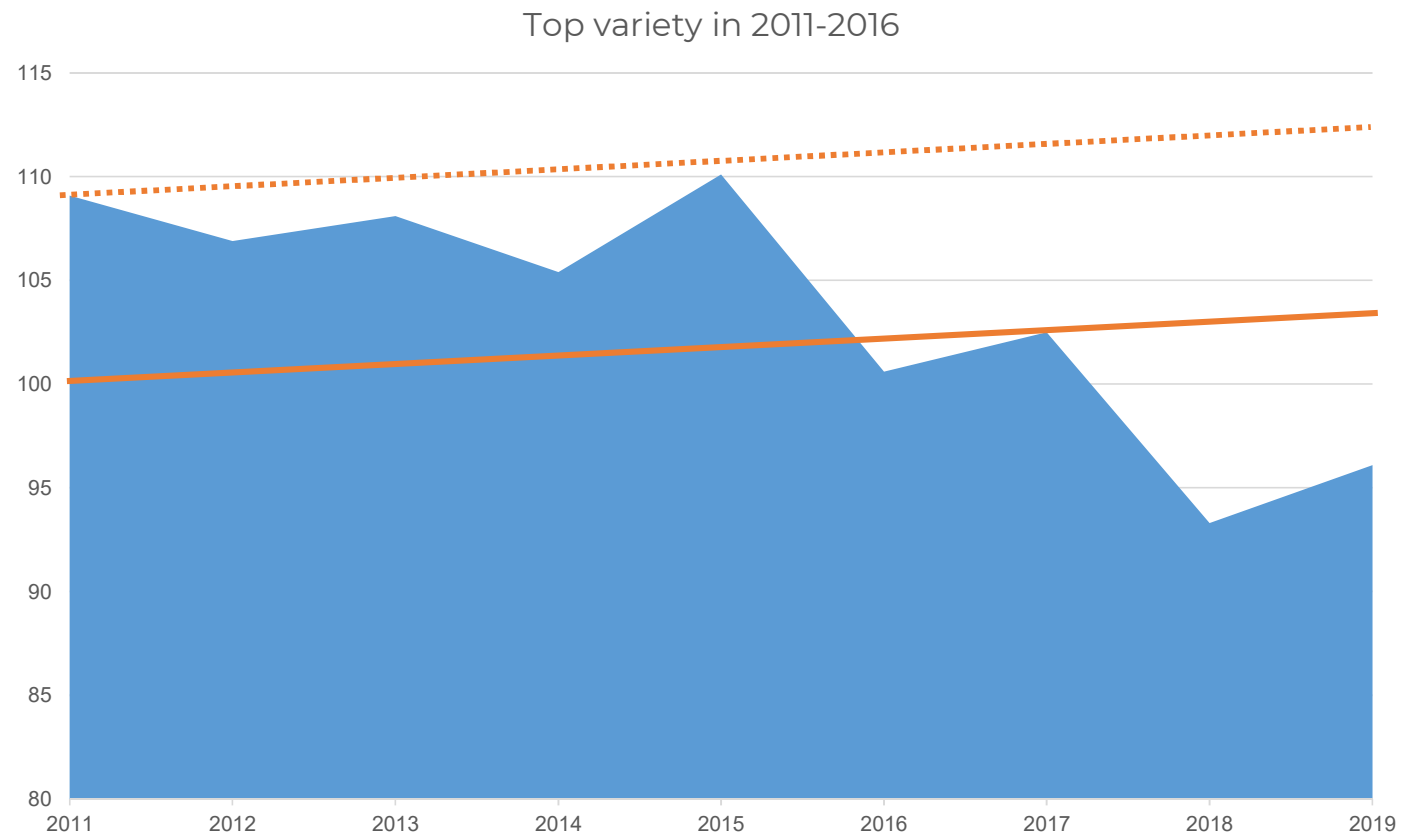
Percentage Certified cereal seed



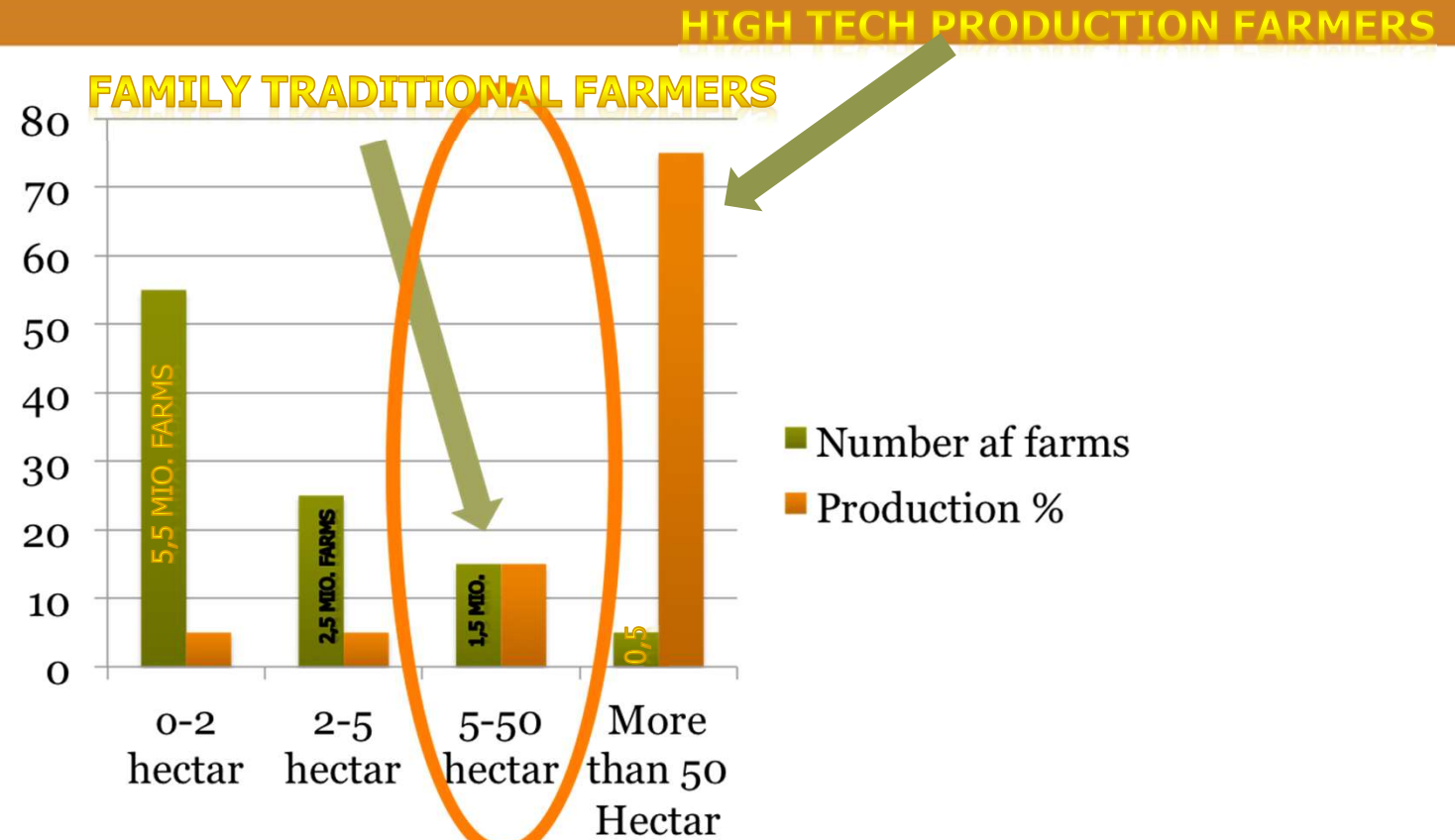
The perfect Variety list

	Yield					Diseases (Observation Plots)			Cultivation (Observation Plots)		
	Grain yield index ↑	Grain yield, hkg per ha ↑	Starch, % in dry matter ↑	Specific weight, Tested variety (kg/hl) ↑	Crude protein in dry matter, Tested variety (%) ↑	Mildew coverage (%) ↑	Septoria coverage (%) ↑	Yellow rust coverage (%) ↑	Ripening date ↑	Straw length (cm) ↑	Lodging (score 0 - 10) ↑
Showing 55 of 55 rows											
Year	2019	2019	2019	2019	2019	2019	2019	2019	2019	2019	2019
LSD	3.3	3.19	0.61	1.36	0.25	-	-	-	-	-	-
<input type="checkbox"/> Benchmark	 100 (10)	101.7 (10)	70.9 (10)	75.1 (10)	10.6 (10)	0.90 (12)	3.8 (17)	43 (17)	01/08 (6)	90 (5)	0.3 (9)
<input type="checkbox"/> Blanding-vi-hved	 100 (10)	102.2 (10)	71.5 (10)	75.8 (10)	10.4 (10)	2.5 (12)	5 (17)	5 (17)	01/08 (6)	89 (5)	0.0 (9)
<input type="checkbox"/> Canon	 90 (10)	92.0 (10)	69.8 (10)	74.1 (10)	10.4 (10)	1.8 (12)	9 (17)	10 (17)	01/08 (6)	80 (5)	0.0 (9)
<input type="checkbox"/> Chevignon	 100 (10)	102.1 (10)	72.1 (10)	76.5 (10)	11.0 (10)	2.2 (12)	8 (17)	0.00 (17)	01/08 (6)	84 (5)	0.7 (9)
<input type="checkbox"/> Creator	 95 (10)	97.0 (10)	71.3 (10)	75.3 (10)	10.7 (10)	1.3 (12)	2.4 (17)	2.4 (17)	02/08 (6)	89 (5)	0.7 (9)
<input type="checkbox"/> Drachmann	 99 (10)	101.7 (10)	70.9 (10)	74.8 (10)	10.7 (10)	0.00 (12)	6 (17)	7 (17)	01/08 (6)	84 (5)	1.3 (9)
<input type="checkbox"/> Elixer	 96 (10)	98.1 (10)	71.2 (10)	77.1 (10)	11.0 (10)	5 (12)	7 (17)	0.90 (17)	01/08 (6)	84 (5)	1.0 (9)
<input type="checkbox"/> Graham	 100 (10)	102.7 (10)	71.2 (10)	75.5 (10)	10.8 (10)	0.50 (12)	9 (17)	0.00 (17)	31/07 (6)	73 (5)	0.0 (9)
<input type="checkbox"/> Hallfreda	 94 (10)	96.5 (10)	70.1 (10)	76.7 (10)	10.5 (10)	0.10 (12)	10 (17)	0.00 (17)	01/08 (6)	88 (5)	1.0 (9)
<input type="checkbox"/> Heerup	 105 (10)	107.5 (10)	71.8 (10)	77.1 (10)	10.3 (10)	0.30 (12)	4.7 (17)	0.70 (17)	01/08 (6)	87 (5)	0.0 (9)
<input type="checkbox"/> Himalaya	 104 (10)	106.3 (10)	71.8 (10)	77.8 (10)	10.5 (10)	1.1 (12)	7 (17)	0.90 (17)	01/08 (6)	94 (5)	0.1 (9)
<input type="checkbox"/> Informer	 104 (10)	106.6 (10)	70.4 (10)	76.8 (10)	10.7 (10)	2.1 (12)	3.2 (17)	0.00 (17)	01/08 (6)	95 (5)	0.0 (9)
<input type="checkbox"/> Johnson	 96 (10)	98.2 (10)	71.2 (10)	73.8 (10)	10.6 (10)	0.90 (12)	12 (17)	0.20 (17)	01/08 (6)	82 (5)	0.2 (9)
<input type="checkbox"/> Kalmar	 93 (10)	94.9 (10)	71.1 (10)	73.2 (10)	10.5 (10)	5 (12)	6 (17)	14 (17)	03/08 (6)	78 (5)	0.0 (9)
<input type="checkbox"/> Kvarn	 96 (10)	98.3 (10)	71.5 (10)	76.9 (10)	10.3 (10)	1.2 (12)	12 (17)	0.00 (17)	01/08 (6)	81 (5)	0.3 (9)
<input type="checkbox"/> Kvium	 104 (10)	106.7 (10)	70.9 (10)	74.9 (10)	10.4 (10)	1.1 (12)	6 (17)	0.00 (17)	01/08 (6)	82 (5)	0.8 (9)
<input type="checkbox"/> KWS Colosseum	 107 (10)	109.1 (10)	71.5 (10)	74.8 (10)	10.2 (10)	1.5 (12)	3.4 (17)	0.00 (17)	02/08 (6)	75 (5)	0.0 (9)
<input type="checkbox"/> KWS Crownnum	 100 (10)	102.0 (10)	71.6 (10)	75.2 (10)	10.5 (10)	0.40 (12)	10 (17)	0.10 (17)	02/08 (6)	76 (5)	0.2 (9)
<input type="checkbox"/> KWS Dag	 98 (10)	99.8 (10)	70.5 (10)	77.4 (10)	11.4 (10)	2.2 (12)	15 (17)	0.10 (17)	31/07 (6)	87 (5)	0.3 (9)
<input type="checkbox"/> KWS Extase	 106 (10)	108.5 (10)	71.2 (10)	76.8 (10)	11.0 (10)	2.2 (12)	4.6 (17)	0.00 (17)	01/08 (6)	80 (5)	0.1 (9)
<input type="checkbox"/> KWS Firefly	 104 (10)	106.0 (10)	70.6 (10)	74.6 (10)	10.8 (10)	4.3 (12)	4.5 (17)	0.30 (17)	03/08 (6)	74 (5)	0.0 (9)
<input type="checkbox"/> KWS Leif	 102 (10)	104.5 (10)	70.4 (10)	71.5 (10)	11.0 (10)	0.90 (12)	10 (17)	0.00 (17)	30/07 (6)	78 (5)	0.4 (9)

Yield trends average of the top 20 varieties in DK



European Farms and there production



Family Farmers are many thing

- Like Modern high tech farmers
- Old traditional farmer like generations
- Part-time farming of distress
- Part-time farming for fun
- Neighbour manage the land as his own, but still my farm
- More or less operating jointly with other farmers
- Storytelling agriculture
- “Urban new farmers back to basic”



Breeders rights, farmers rights and so what?

- Can breeders forcing farmers with rules ?
- Do farmers know about the rules?
- Is it a good idea to take farmers in court?

•No!



What is needed? Only a few ideas

- Tell farmers about the benefit of good new varieties
- The best is if impartial bodies tells about the good new varieties
- There must be a responsible distribution of new varieties
- How about a cheap certified C2 to reduce the interest in FSS
- Farmers don't like patents in plants.



COPA/CEGECA is a supporter of CPVR

- We need rules for protection
- We need Breeders exception
- Without that, we will have no innovation.
- We need better varieties every year in every corner of EU



Thank you

