



EU Plant Variety Rights in the 21st Century **FARMERS' POINT OF VIEW**

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Who is COPA/COGECA?

COPA-COGECA are a umbrella organisation which represents at EU-27 level

- F National Farmers Unions and National Agriculture Cooperative Federations
- F 76 organisation
- F 15 million people working on farms and over 40,000 cooperatives
- F Organic farmers, Conventional and even farmers who wants to grow GMO, seed producers, feed manufacturers, cereal, sugar, oilseed and protein crops growers.
- F We deal with environmental issues, food and feed safety and consumer affairs

History of the Farm Saved Seed

- F FSS was a very sensitive issue and still is.
- F we usually present a joint COPA-COGECA document
- F COPA-COGECA had 2 positions on FSS
- F For the first time ever COPA-COGECA have now a joint position document on FSS
- F For the first time COPA-COGECA have adopted a Strategy for the Seed Legislation in EU.

The background and the farmers' demand

- **Stagnating yields since the mid 90's;**
- **Increasing price – cost squeeze European cereals market;**
- **Rising input costs.**

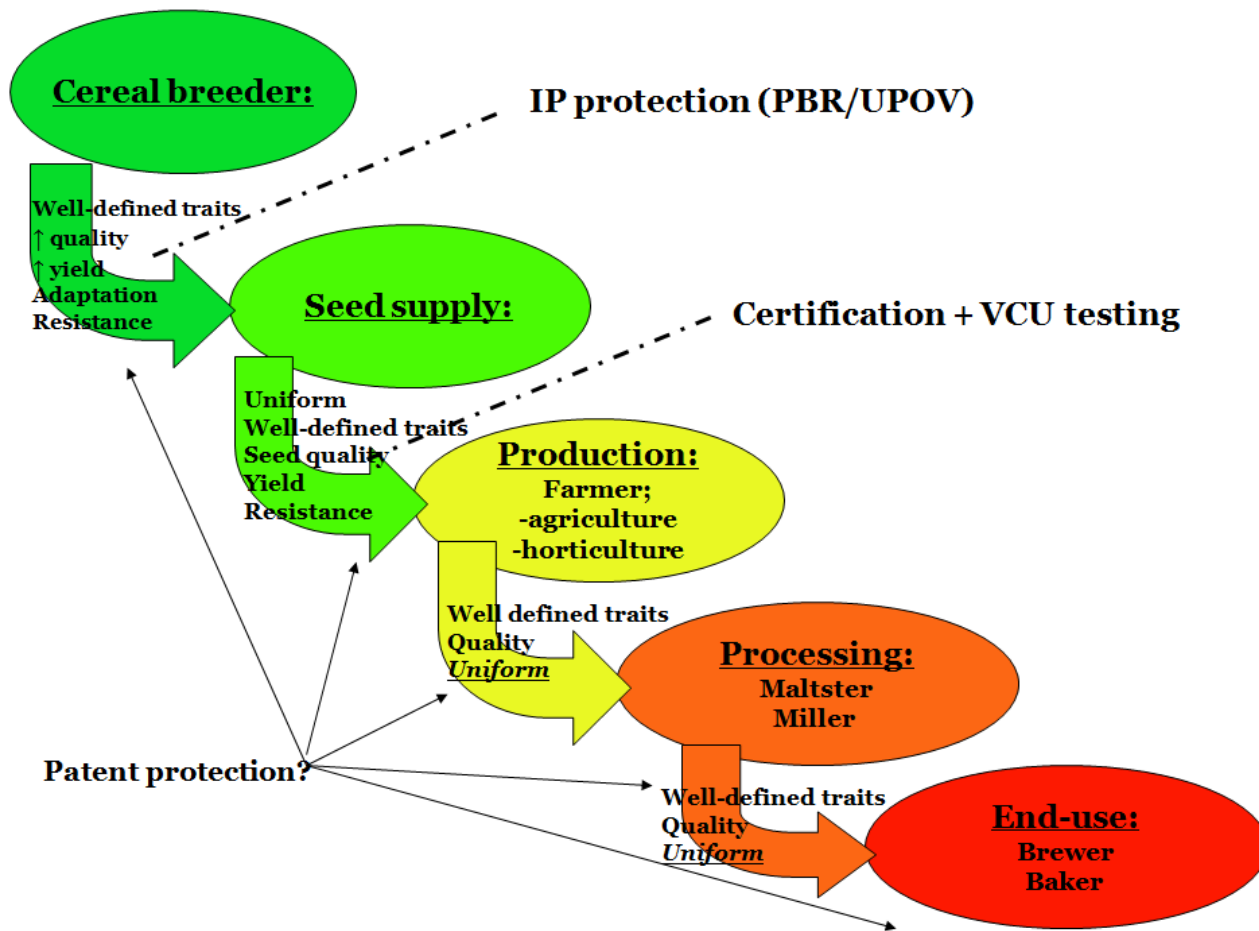
- **The seed and cereal producers need better varieties!**

- **Increasing productivity (better yields, sanitary performance, less pressure on natural resources) should be the main objective of plant genetic research together with transparency in the use of royalties.**

Strategy for the Copa-Cogeca's work ahead of the review of the Seed legislation 2011-13

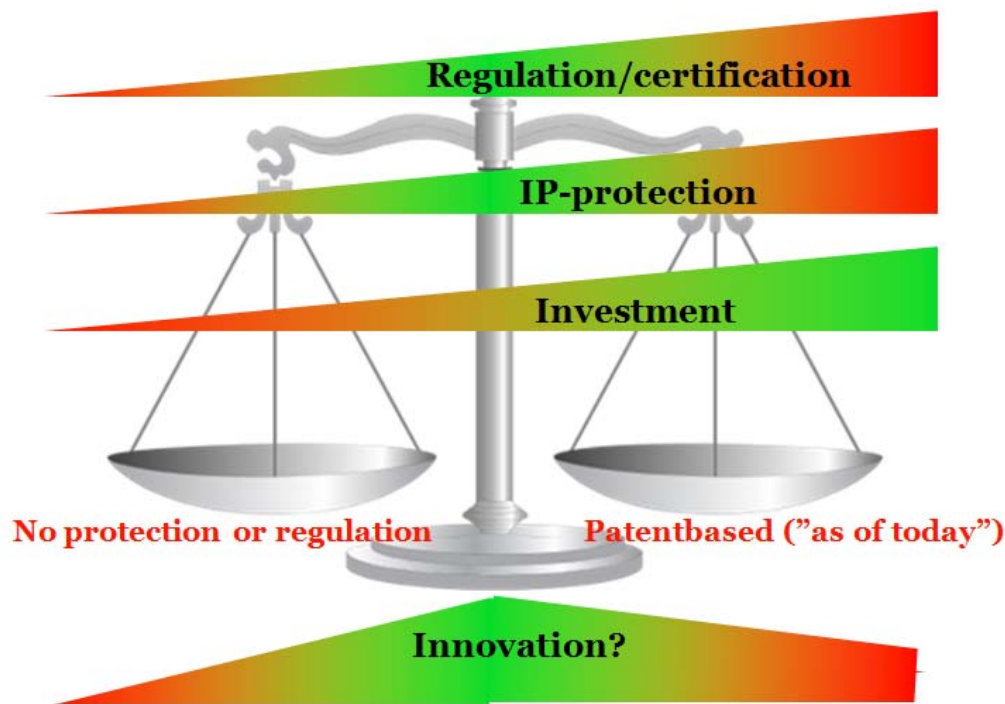
- 1. CPVR must be maintained instead of the Patent system**
- 2. Maintain the DUS and VCU testing**
- 3. The farmers need better varieties and higher yields**
- 4. Certification system must be modern and competitive**
- 5. New varieties to all regions in EU, not only the big agricultural areas.**
- 6. List of unprotected varieties**
- 7. Strict regulation of conservation varieties**
- 8. FSS must be more simple and fair**
- 9. Small farmers' exemption must be maintained**
- 10. Maintain the good national systems (FSS)**
- 11. Legal protection against adventitious presence of patented genetic events in protected varieties**

Why?

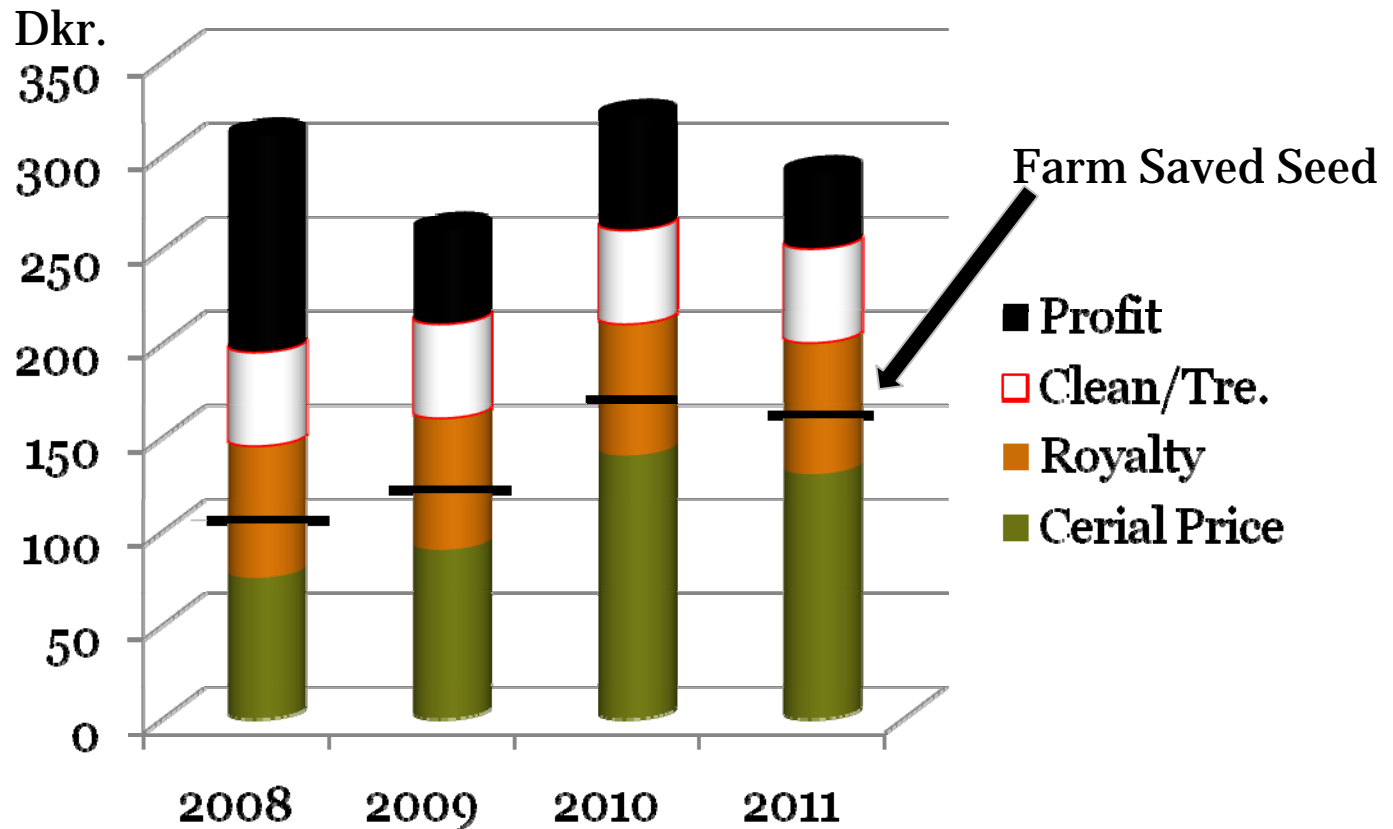


Why?

Future demands for a balanced protection



Analyze of the Cereal Seed Price



Why do farmers want to use Farm Saved Seed?

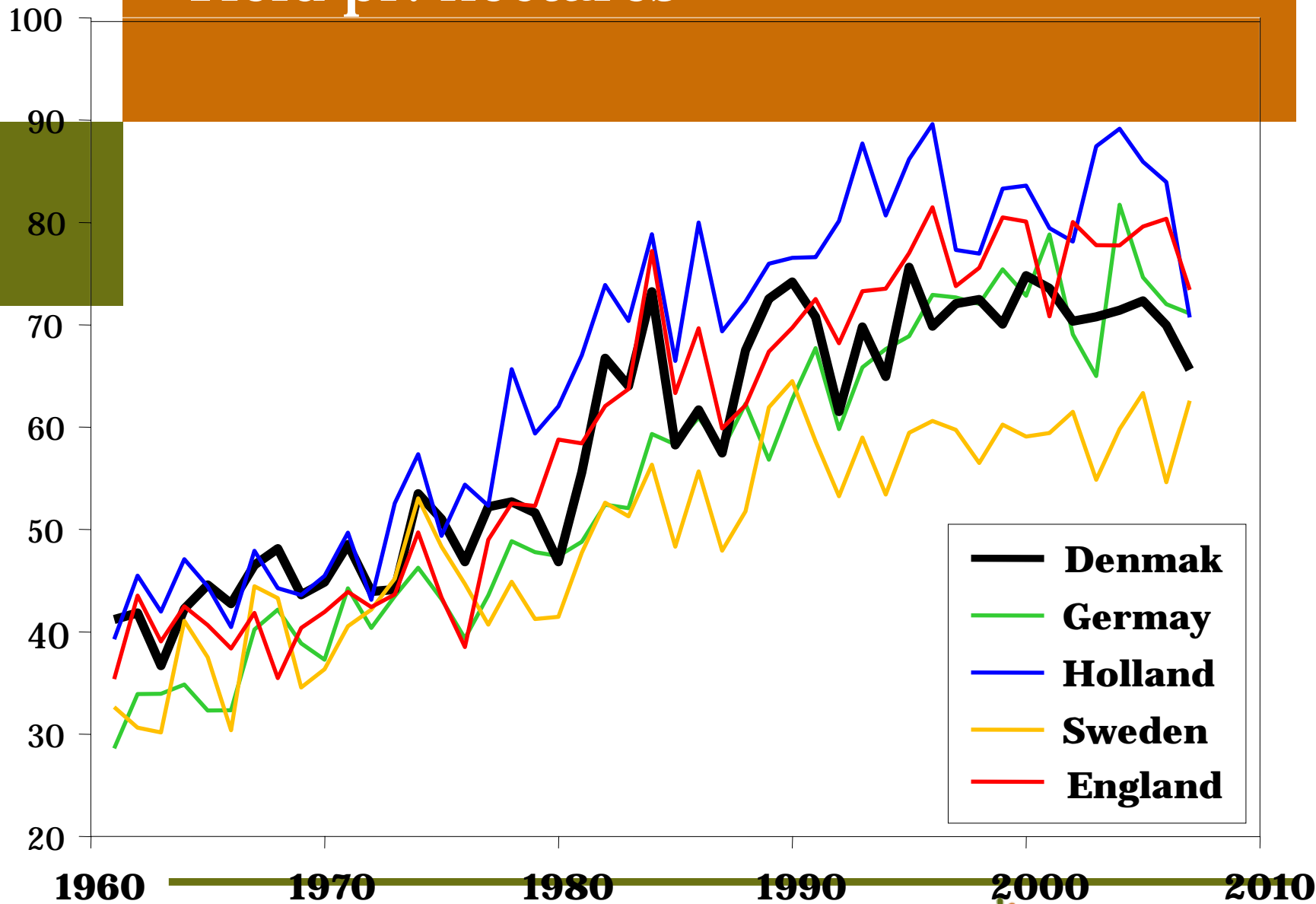
| | Price €/kg | 50 Hectares | 100 Hectares | 500 Hectares |
|---|-----------------------|------------------------|-------------------------|-------------------------|
| Certified Seed | 0.40 | 2.900 | 5.800 | 29.000 |
| Farm Saved Seed | 0.21 | 1.600 | 3.200 | 16.000 |
| | | | | |
| Farmers Profit | | 8.250 | 18.500 | 83.500 |
| | | | | |
| Investment in clean/treat. facilities € | | | | 10.000 |

Cereal yield annual growth rate

| % | 1960-70 | 1970-80 | 1980-90 | 1990 2000 | 2000 2007 |
|------------------------------|---------|---------|-------------|--------------|--------------|
| World | 3,7 | 3,5 | 1,7 | 1,7 | 2,1 |
| USA | 2,9 | 5,1 | <u>-1,4</u> | 1,9 | 3,9 |
| EU | 4,0 | 2,3 | 2,6 | 1,6 | <u>-0,3</u> |
| Ex-USSR | 2,9 | 0,1 | 0,6 | <u>-4,3</u> | 3,9 |
| China | 6,4 | 4,9 | 3,3 | 2,1 | 2,2 |
| India | 2,3 | 2,8 | 3,8 | 2,7 | 1,1 |
| Rest of the world | 3,5 | 3,3 | 1,8 | 2,0 | 2,5 |

Source CIRAD - B. Daviron

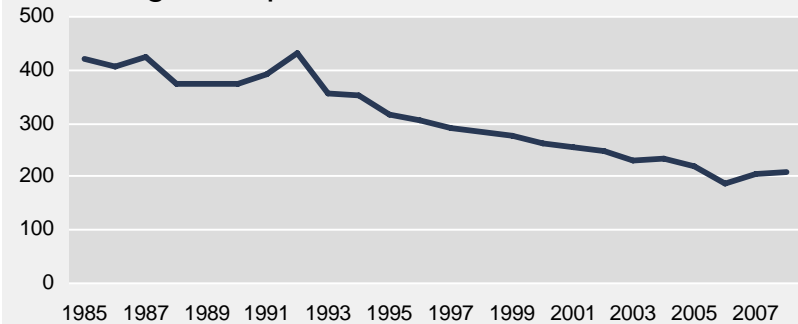
Yield pr. hectares



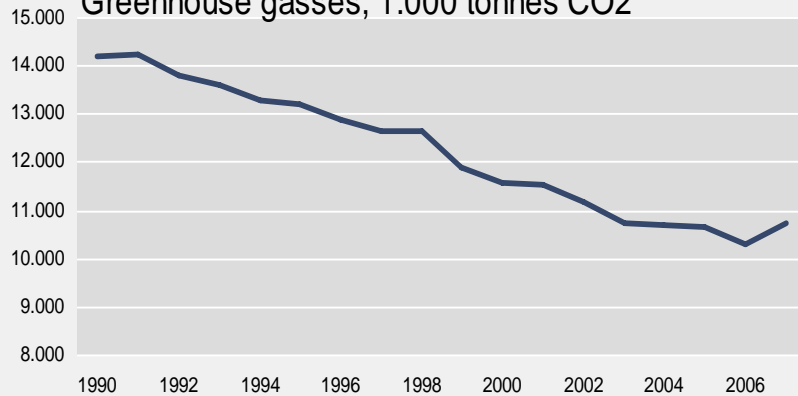
- **Denmark**
- **Germany**
- **Holland**
- **Sweden**
- **England**

Danish Reductions in environmental impact

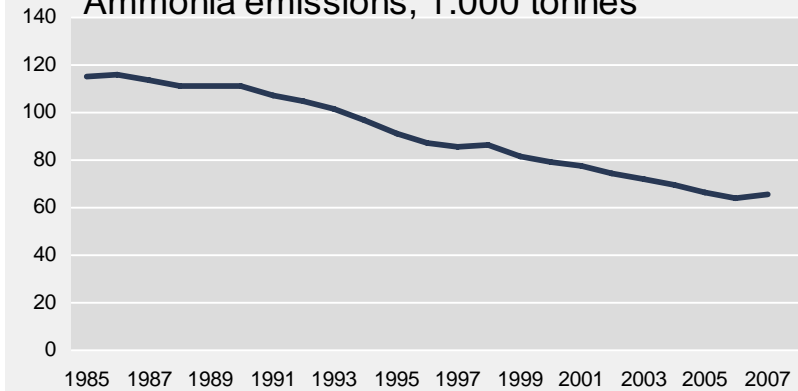
Nitrogen surplus, 1.000 tonnes



Greenhouse gasses, 1.000 tonnes CO2



Ammonia emissions, 1.000 tonnes



Oversigt for vinterhvede (sorter i Landsforsøg 2010, nyeste data)

| | Udbytteforsøg 1) | | | | Målte dyrkningsegenskaber (Fra udbytteforsøg 1) | | | | | Sygdomme (Observationsparceller) 2) | | | | | Dyrkningsegenskaber (Observationsparceller) 2) | | | | |
|----------------------------|-----------------------|---------------------------|---------------------|-------------------------|---|----------------------|---------------------|----------------------|---------------------------|-------------------------------------|------------------|--|------------------|-----------------------|--|--|--|--|--|
| | Kerneudb. forholdstal | Stivelse, % i tørstof (%) | Råprotein i ts. (%) | Hekto-litervægt (kg/hl) | Meldug dækning (%) | Septoria dækning (%) | Gulrust dækning (%) | Brunrust dækning (%) | Meldug i aks, dækning (%) | Modnings-dato (dato for) | Døde planter (%) | Karakter for overvintring (kar. 1 - 9) | Strå-længde (cm) | Lejesæd (kar. 0 - 10) | | | | | |
| | (fht) | (%) | (%) | (kg/hl) | (%) | (%) | (%) | (%) | (%) | (dato for) | (%) | (kar. 1 - 9) | (cm) | (kar. 0 - 10) | | | | | |
| Ar | 2010 | 2010 | 2010 | 2010 | 2010 | 2010 | 2010 | 2009 | 2005 | 2010 | 2007 | 2007 | 2010 | 2010 | | | | | |
| Sortering | | | | | | | | | | | | | | | | | | | |
| 1. <u>13011,21</u> | 103 (8) | 70,0 (8) | 11,0 (8) | 76,7 (8) | 10 (11) | 7 (13) | 0,3 (2) | | | 12/8 (3) | | | 80 (4) | 0,8 (3) | | | | | |
| 2. <u>Alfaromero</u> | 99 (8) | 69,9 (8) | 10,7 (8) | 74,7 (8) | 11 (11) | 4,6 (13) | 0 (2) | 23 (3) | | 11/8 (3) | 0,0 (10) | 8 | 82 (4) | 0,7 (3) | | | | | |
| 3. <u>Aligator</u> | 96 (8) | 68,5 (8) | 11,2 (8) | 72,4 (8) | 10 (11) | 12 (13) | 0 (2) | | | 11/8 (3) | | | 75 (4) | 1,2 (3) | | | | | |
| 4. <u>Ambition</u> | 100 (8) | 69,5 (8) | 10,7 (8) | 74,8 (8) | 14 (11) | 4,7 (13) | 0 (2) | 12 (3) | 0,1 | 11/8 (3) | 0,3 (10) | 7 | 80 (4) | 2,3 (3) | | | | | |
| 5. <u>BA W9</u> | 95 (8) | 69,3 (8) | 11,3 (8) | 77,4 (8) | 8 (11) | 9 (13) | 0 (2) | | | 12/8 (3) | | | 75 (4) | 0,7 (3) | | | | | |
| 6. <u>Blanding.vi-hved</u> | 100 (8) | 69,5 (8) | 10,7 (8) | 74,1 (8) | 8 (11) | 6 (13) | 0 (2) | 7 (3) | 8 | 12/8 (3) | 0,0 (10) | 8 | 75 (4) | 0,2 (3) | | | | | |
| 7. <u>CPB-T W150</u> | 90 (8) | 69,1 (8) | 11,6 (8) | 77,6 (8) | 0,1 (11) | 8 (13) | 0 (2) | 1,2 (3) | | 10/8 (3) | | | 67 (4) | 0,3 (3) | | | | | |
| 8. <u>CPB-T W157</u> | 95 (8) | 68,8 (8) | 11,6 (8) | 75,5 (8) | 2,0 (11) | 12 (13) | 0 (2) | 1,3 (3) | | 11/8 (3) | | | 62 (4) | 0,3 (3) | | | | | |
| 9. <u>Conqueror</u> | 101 (8) | 70,0 (8) | 10,3 (8) | 74,7 (8) | 11 (11) | 13 (13) | 0 (2) | 10 (3) | | 11/8 (3) | 0,4 (10) | 7 | 70 (4) | 0,5 (3) | | | | | |
| 10. <u>Edmunds</u> | 93 (8) | 69,0 (8) | 10,6 (8) | 74,2 (8) | 5 (11) | 12 (13) | 0 (2) | 0 (3) | | 11/8 (3) | | | 65 (4) | 1,5 (3) | | | | | |
| 11. <u>Elvis</u> | 99 (8) | 69,6 (8) | 11,5 (8) | 78,0 (8) | 4,7 (11) | 4,6 (13) | 0 (2) | | 5 | 11/8 (3) | | | 84 (4) | 0,5 (3) | | | | | |
| 12. <u>Expert</u> | 97 (8) | 69,8 (8) | 10,9 (8) | 75,7 (8) | 9 (11) | 10 (13) | 0 (2) | 0,3 (3) | | 12/8 (3) | 0,9 (10) | 6 | 75 (4) | 0,5 (3) | | | | | |
| 13. <u>Fru ment</u> | 99 (8) | 69,3 (8) | 10,6 (8) | 73,2 (8) | 5 (11) | 8 (13) | 0 (2) | 5 (3) | 1,0 | 12/8 (3) | 0,0 (10) | 8 | 76 (4) | 2,3 (3) | | | | | |
| 14. <u>Goshawk</u> | 94 (8) | 68,9 (8) | 10,9 (8) | 74,0 (8) | 3,1 (11) | 15 (13) | 0 (2) | 4,3 (3) | | 11/8 (3) | | | 66 (4) | 0,3 (3) | | | | | |
| 15. <u>Gravitas</u> | 93 (8) | 68,9 (8) | 11,0 (8) | 74,6 (8) | 2,7 (11) | 6 (13) | 0 (2) | 0,5 (3) | | 11/8 (3) | | | 68 (4) | 0,3 (3) | | | | | |
| 16. <u>Hereford</u> | 105 (8) | 70,2 (8) | 10,5 (8) | 75,5 (8) | 6 (11) | 11 (13) | 0 (2) | 13 (3) | | 11/8 (3) | 0,1 (10) | 7 | 79 (4) | 1,8 (3) | | | | | |
| 17. <u>JB Asano</u> | 95 (8) | 70,0 (8) | 11,4 (8) | 77,6 (8) | 4,5 (11) | 14 (13) | 0 (2) | 3,2 (3) | 1,0 | 10/8 (3) | | | 85 (4) | 0,3 (3) | | | | | |
| 18. <u>Jensen</u> | 101 (8) | 70,1 (8) | 10,6 (8) | 76,8 (8) | 1,4 (11) | 6 (13) | 0 (2) | 14 (3) | | 12/8 (3) | | | 83 (4) | 1,8 (3) | | | | | |
| 19. <u>KWS Dacanto</u> | 104 (8) | 69,4 (8) | 11,0 (8) | 78,4 (8) | 4,4 (11) | 8 (13) | 0 (2) | | | 11/8 (3) | | | 79 (4) | 0,7 (3) | | | | | |
| 20. <u>KWS Kite</u> | 88 (8) | 69,5 (8) | 11,2 (8) | 74,2 (8) | 6 (11) | 10 (13) | 0 (2) | 0 (3) | | 11/8 (3) | | | 73 (4) | 0,7 (3) | | | | | |
| 21. <u>KWS Podium</u> | 94 (8) | 68,2 (8) | 11,6 (8) | 77,0 (8) | 6 (11) | 11 (13) | 0 (2) | 0,02 (3) | | 11/8 (3) | | | 65 (4) | 0,3 (3) | | | | | |
| 22. <u>KWS Radius</u> | 89 (8) | 69,1 (8) | 11,7 (8) | 77,3 (8) | 2,1 (11) | 9 (13) | 0 (2) | | | 11/8 (3) | | | 79 (4) | 0,0 (3) | | | | | |
| 23. <u>KWS Santiago</u> | 100 (8) | 69,1 (8) | 10,5 (8) | 73,8 (8) | 7 (11) | 14 (13) | 0 (2) | | | 14/8 (3) | | | 74 (4) | 0,7 (3) | | | | | |
| 24. <u>KWS W179</u> | 96 (8) | 68,9 (8) | 10,9 (8) | 75,9 (8) | 3,0 (11) | 17 (13) | 0 (2) | | | 12/8 (3) | | | 68 (4) | 1,0 (3) | | | | | |
| 25. <u>KWS Yaris</u> | 99 (8) | 69,0 (8) | 10,6 (8) | 75,9 (8) | 5 (11) | 7 (13) | 0 (2) | 7 (3) | | 12/8 (3) | | | 78 (4) | 0,3 (3) | | | | | |

7 arguments because simple and fair is a good Farm Saved Seed remuneration system

- 1. Simple for a farmer to find the best variety in his province**
- 2. Simple for the farmer to find the most profitable seed for his income**
- 3. Simple for the farmer to choose the right seed and variety**
- 4. Simple for the farmer to pay for the royalty**
- 5. Simple for the farmer to know what he is paying for**
- 6. Simple for the farmer to see that it is practical in his work on the farm**
- 7. Simple for the farmer to know if he is “small”**

Thank you for your attention!

