

12.März, 2016

Questionnaire to an German farm regarding crop yields, N-fertilizers and some unit prices for comparing to Danish farming constraints of farming.

Name of farm and location: **close to Plön, heavy soils, some stones**

Yields dt /ha and allocated kg N/ha

| Crop | 2010 | 2011 | 2012 | 2013 | 2014 |
|-------------------------------|-------------|-------------|-------------|--------------|--------------|
| Wheat * | | | | | |
| Yield/ha | 78,1 | 71,1 | 97,4 | 89,8 | 113,0 |
| N/ha | 255 | 248 | 230 | 254 | 230 |
| Barley | | | | | |
| Yield/ha | 82,9 | 55,6 | 96,3 | 101,9 | 101,6 |
| N/ha incl.autum | 245 | 221 | 215 | 229 | 225 |
| Rapes | | | | | |
| Yield/ha | 42,0 | 23,0 | 35,2 | 35,2 | 44,6 |
| N/ha incl. autum | 252 | 242 | 242 | 245 | 245 |
| Corn Silage 32 %TS | | | | | |
| N /ha | | | | | |
| | | | | | |

- Wheat has 12,0 % Protein in average, 38 % of the wheat stands after wheat, 62 % after Oilseed Rape
- 3 % of N is organic N (Biogas manure; NH₄ zu 100 % = 50 % of total N)

Please add an eventual other important crop.

| Cost €/ha | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|------------|------------|------------|------------|------------|
| Seeding | 65 | 83 | 96 | 71 | 72 |
| Fertilizer incl. P,K,SO ₄ , MgO, CaO and trace elements | 218 | 245 | 264 | 253 | 190 |
| Spaying | 165 | 221 | 203 | 226 | 237 |

Unit prices of crops and fertilizer

Electricity/kwh

Diesel/liter

Glycosat 420/liter

Technician/Craftsman per hour

Average trained Employee paid per hour

plus mark up of social benefits paid by employer in % of hourly wage

Constrains in operating the farm:

Any volume restrictions on consumption of fertilizers (N or P)?

Any limits on spraying or using fertilizer close to streams/brooks or waterholes?

Demands of catch crops other than the mandatory 5% from EU?

Are you allowed to clean streams/brooks/watercanals?

Or is it a public service?

Do you pay for it?

Other?

Fees or cost of providing permissions of operating:

Annual fertilizer consumption per crop?

Filling in of annual spraying journal?

Public environment supervision?

How often?

Price?

