Opgørelse af klimaaftrykket fra dyrkning af afgrøder - delanalyse 2

Barley, at farm - example

	climate change
	kg CO2eq / ha
Barley cultivation /DK	2252,2

example 1: Economic allocation, based on default PEFCR feed factors

	allocation in AFP5		climate change	yield FAOstat
	-		kg CO2eq / ha	kg /ha
Barley grain, at farm/DK Economic	75%	2252.2 x 75% =	1689,1	5781
Barley straw, at farm/DK Economic	25%	2252.2 x 25% =	563,0	2155
		sum	2252,2	

example 2: Economic allocation, with no economic value of straw

	allocation 100% to grains		climate change	yield FAOstat
	-		kg CO2eq / ha	kg /ha
Barley grain, at farm/DK Economic	100%	2252.2 x 100% =	2252,2	5781
Barley straw, at farm/DK Economic	0%	2252.2 x 0% =	0,0	2155
		sum	2252,2	

SEGES INNOVATION

STØTTET AF

Promilleafgiftsfonden for landbrug

Calculation of economic allocation factors based on market prices

	climate change
	kg CO2eq / kg
1689.1 ÷ 5781 =	0,2922
563.0 ÷ 2155 =	0,2613

	market prices
	€ /kg
Barley grain, at farm/DK Economic	0,16
Barley straw, at farm/DK Economic	0,06

	climate change
	kg CO2eq / kg
2252.2 ÷ 5781 =	0,3896
0 ÷ 2155 =	0

Calculation of economic allocation factors considering that 49% of

	yield
	kg /ha
barley grain	6828
straw - harvested	3605
straw - unharvested	3792

TOT

7397

48,7%

yield FAOstat		revenue		allocation factors
kg /ha		kg * €		-
5781	5781 x 0.16 =	924,96	924.96 ÷ 1054.26 =	87,74%
2155	2155 x 0.06 =	129,30	129.30 ÷ 1054.26 =	12,26%
	sum	1054,26		

the country's barley straw will be harvested

prices		revenue		allocation
€ /kg		kg * €		-
0,117	6828 x 0.117 =	798,82	798.82 ÷ 842.08 =	94,9%
0,012	3625 x 0.012 =	43,26	43.26 ÷ 842.08 =	5,1%
0		0,00		0,0%
		842,08		

kg straw / ha

of the straw is harvested in conventional systems