The Dutch dairy sector in a post quota era: trends and challenges

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Lay-out duo-presentation

Trends in characteristics: changes since April 2015

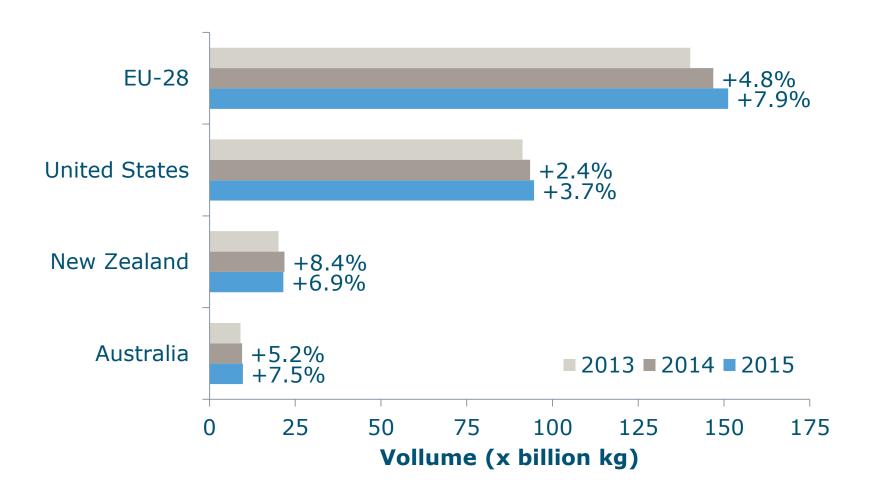
New manure policy in the Netherlands: Dairy Act

Next: Corina van Middelaar

 Economic and environmental consequences of this new manure policy for dairy farmers

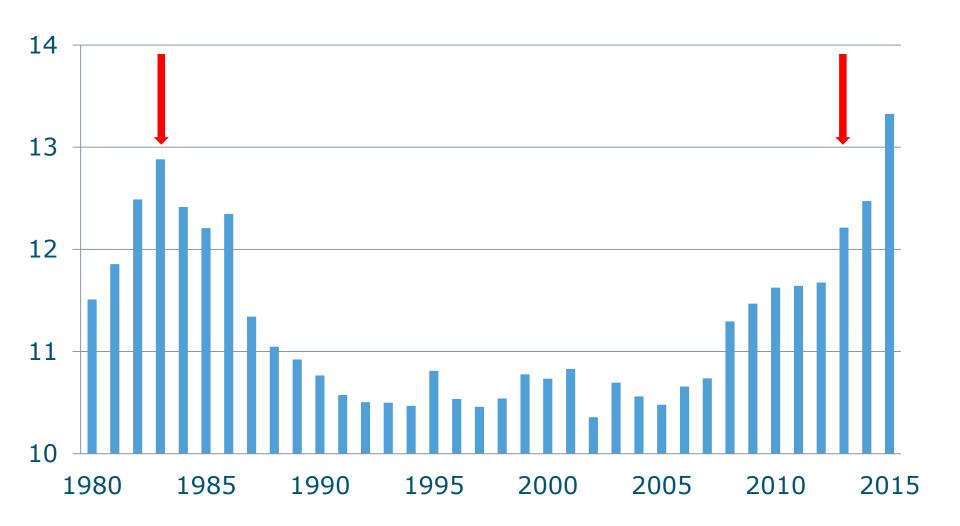
Trends in international milk deliveries

% change relative to 2013



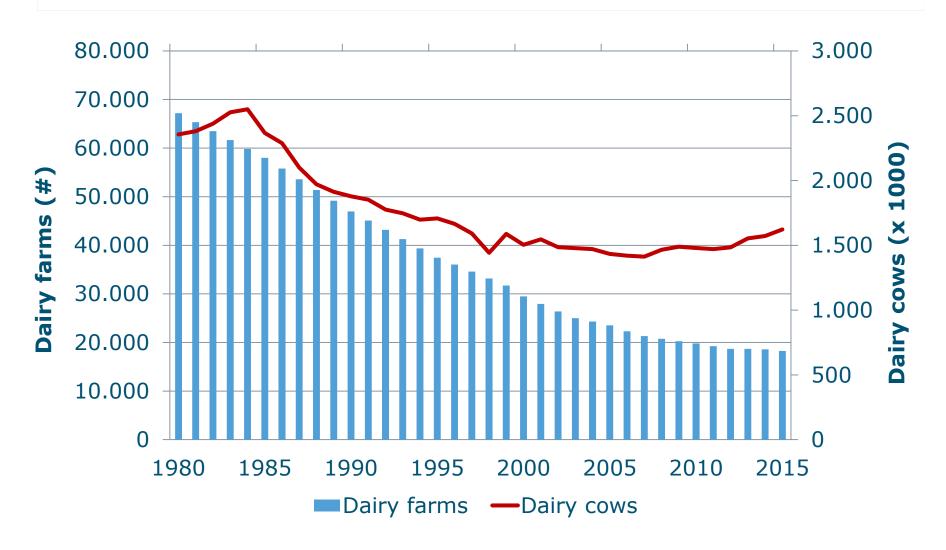


Trends in Dutch milk deliveries (billion kg)



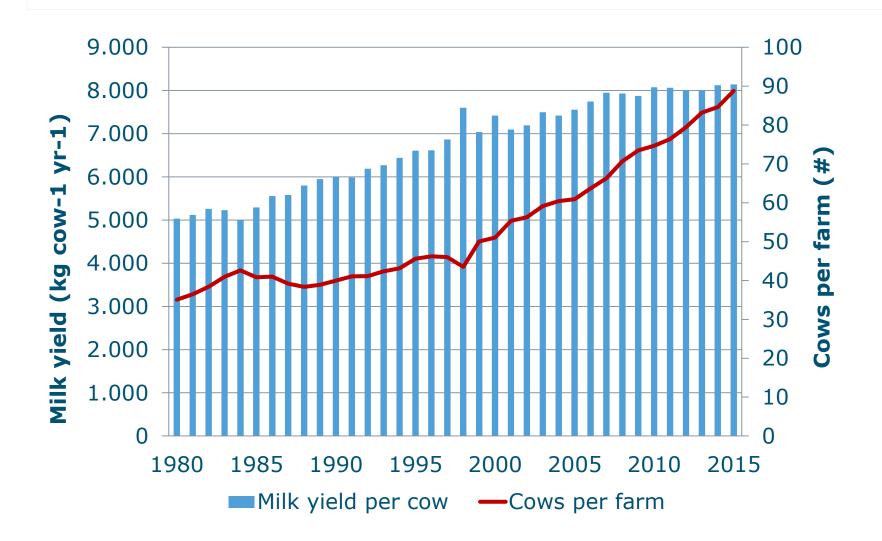


No. dairy farms and cows (x 1000) in NL



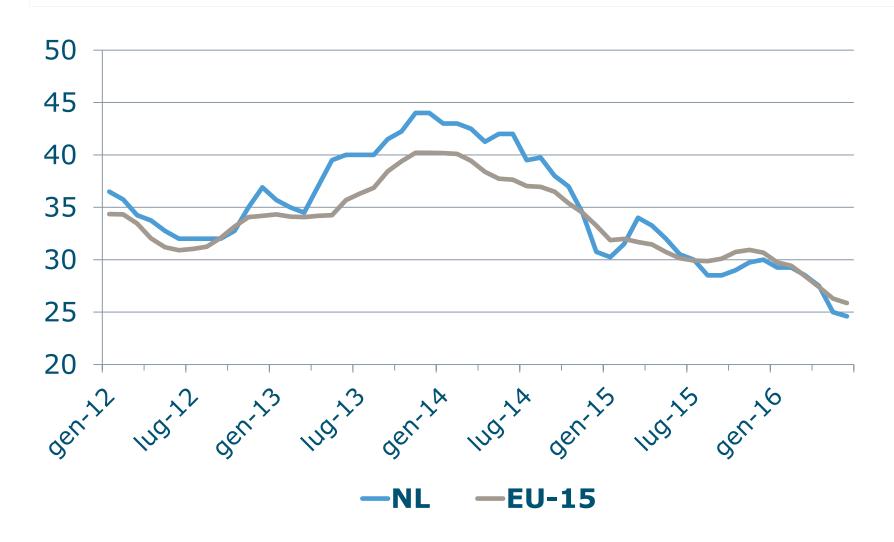


dairy cows/farm and yield/cow





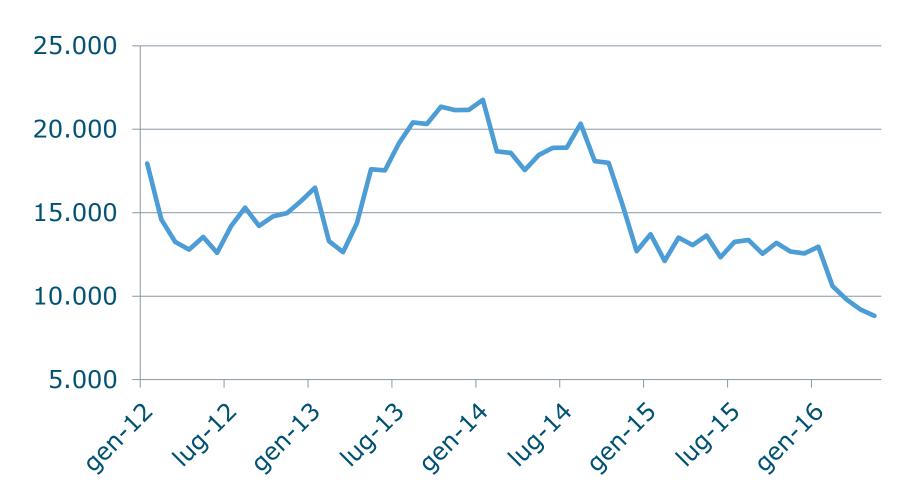
Milk price (€/100 kg milk)





Gross margin of a standardized farm

(Euro/month/farm)



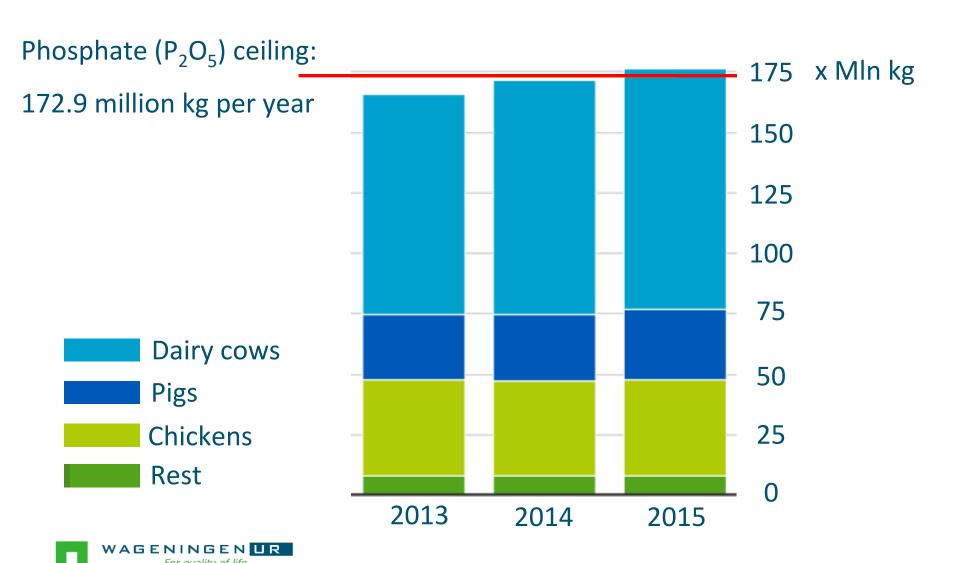


More milk also implies more manure

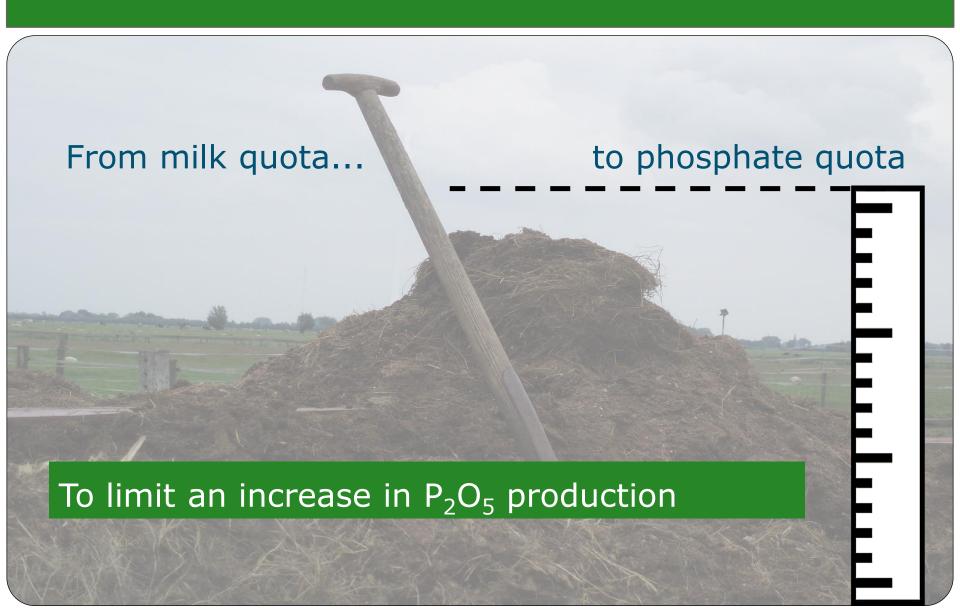


NL has phosphate ceiling of 172.9 million kg per year for entire livestock sector

Dutch phosphate production



2015: A new manure policy "Dairy Act" – 3 parts



On-farm phosphate surplus in 2013

Production



89 dairy cows x 42 kg
$$P_2O_5/yr = 3738 kg$$

$$37 < 1 \text{ yr}$$
 x 9.6 kg $P_2O_5/\text{yr} = 355 \text{ kg}$

$$37 > 1 \text{ yr}$$
 x $21.9 \text{ kg P}_2\text{O}_5/\text{yr} = 810 \text{ kg}$

4904 kg P₂O₅

Application room



40 ha
$$\times 90 \text{ kg P}_2\text{O}_5/\text{ha} = 3600 \text{ kg}$$



10 ha
$$\times 60 \text{ kg P}_2\text{O}_5/\text{ha} = 600 \text{ kg}$$

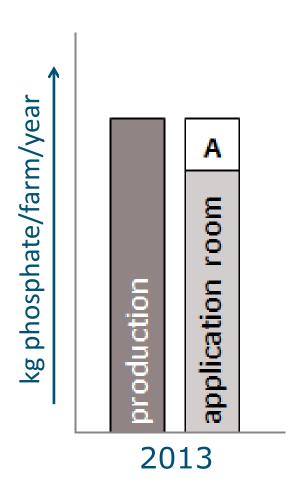
4200 kg P₂O₅

Manure surplus: before Dairy Act

Since 1-1-2014: Partly processed Partly disposed

Region-specific processing %

- South 50%
- East 30%
- Rest 10%

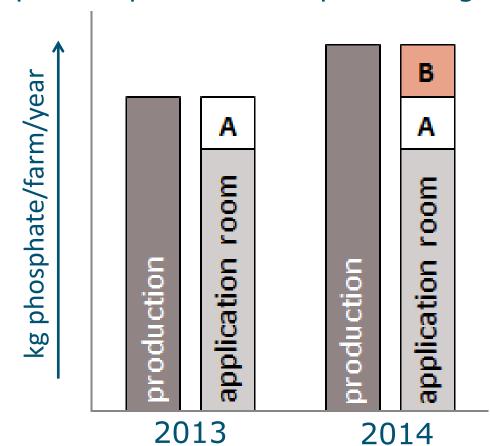


Example farm increased manure production in 2014

Manure surplus: Dairy Act - 1

Since 1-1-2015

- Surplus A (2013) → 'reference surplus'
- Surplus B: surplus on top of surplus A: 100 processing

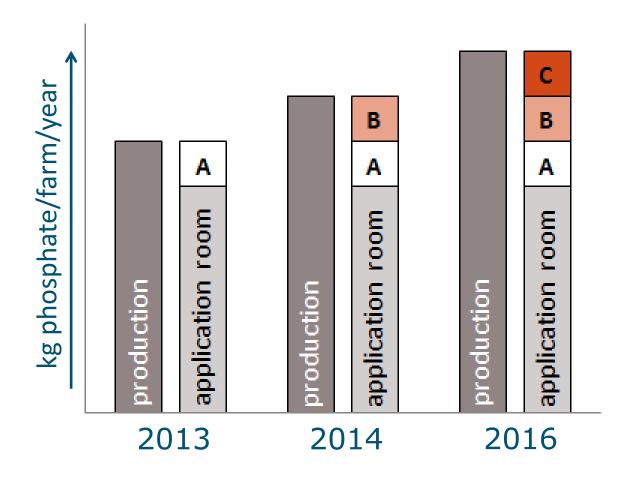




Manure surplus: Dairy Act - 2

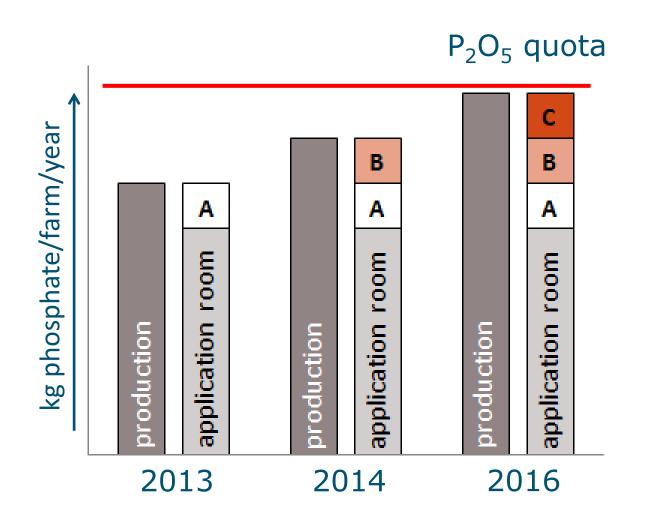
Since 1-1-2016

Additional production after 2014: processed & buy/hire land



Manure surplus: Dairy Act - 3

Since 1-1-2016



Dutch farmers

- Economic challenges
 - Milk price: reduction costs or added value?
 - Price volatility: risk management
- Environmental challenges: "Dairy Act"
 - Manure processing & P₂O₅ quota
 - Other agreements "climate-neutral growth"?
- Societal challenges
 - Maintain grazing
 - Reduce antibiotic use



Thank you for your attention



Extra land purchases

