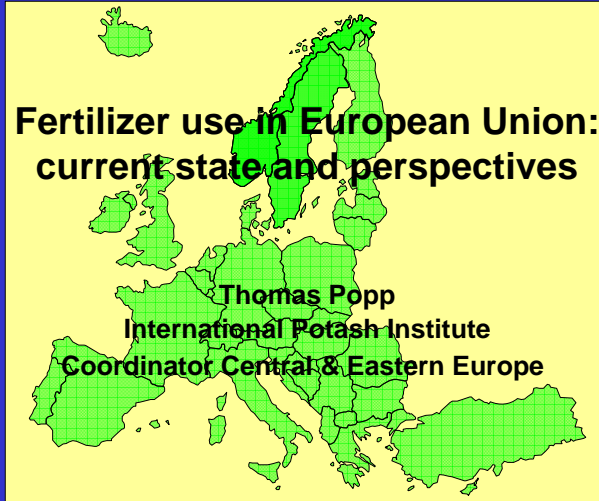




Central & Eastern Europe

Fertilizer use in European Union: current state and perspectives

Thomas Popp
International Potash Institute
Coordinator Central & Eastern Europe



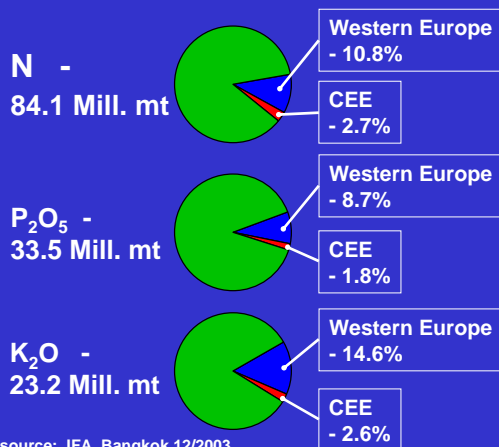
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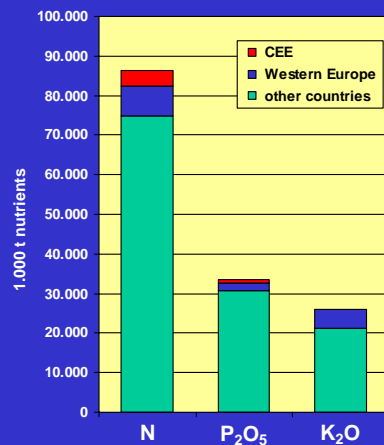
Fertilizer situation in Western & Central Europe

World fertilizer consumption 2002/03
Share Western & Central Europe



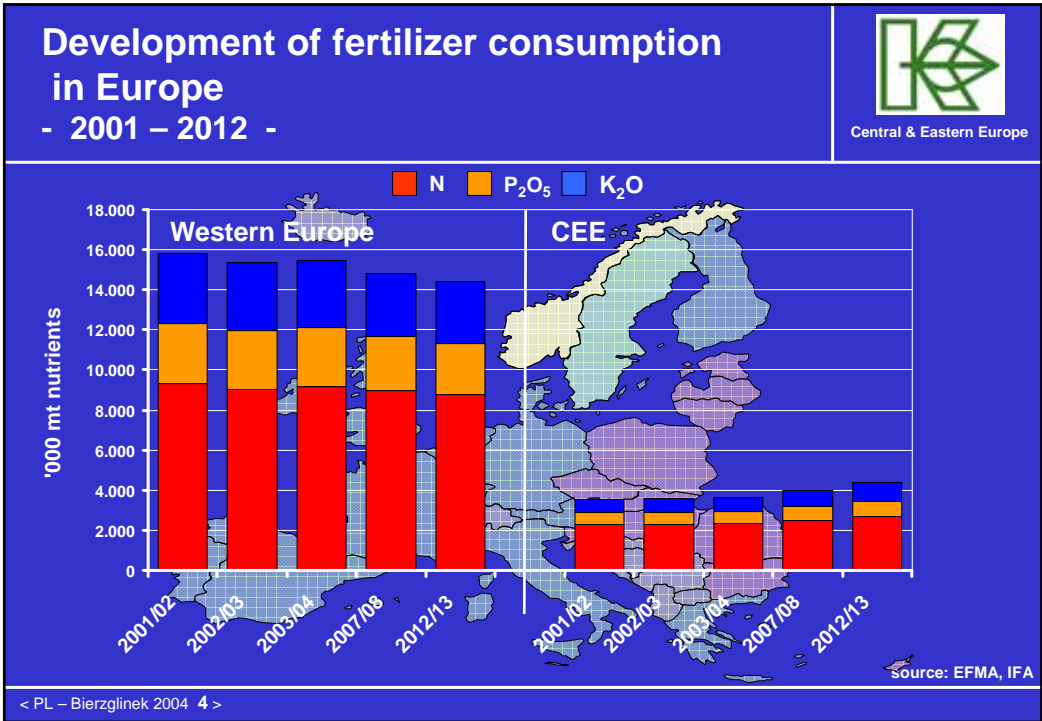
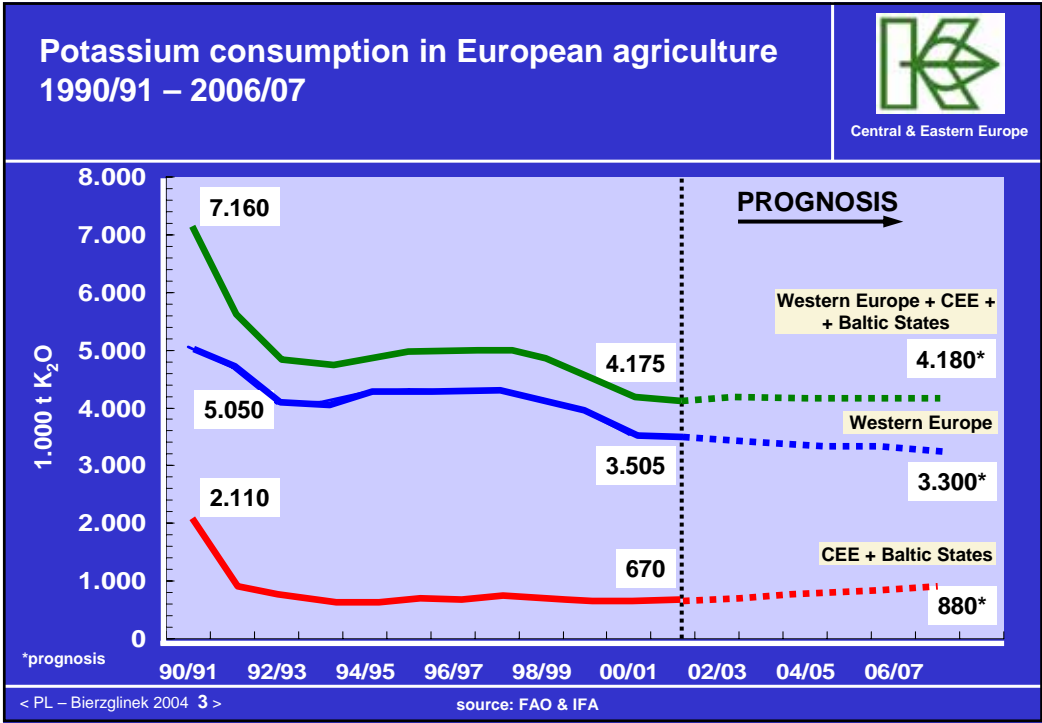
source: IFA, Bangkok 12/2003

World fertilizer production 2001/02
Share Western & Central Europe



source: FAC

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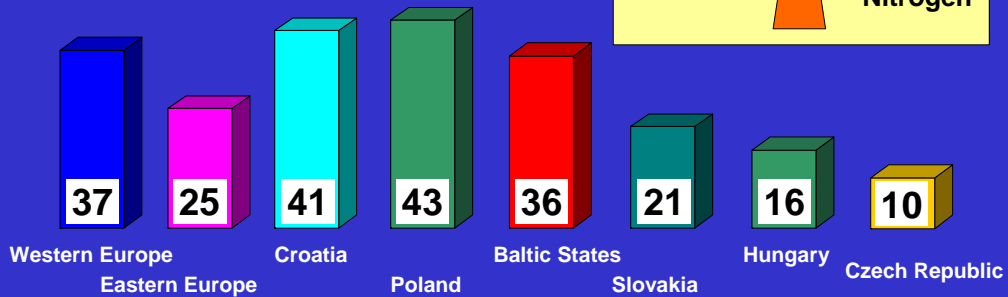
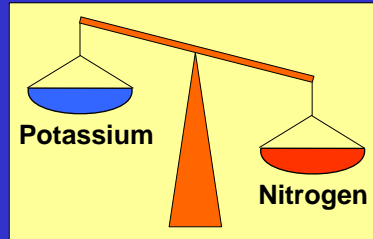


Nitrogen : Potassium relation 2001/02 (Nitrogen = 100)



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Potassium relation:



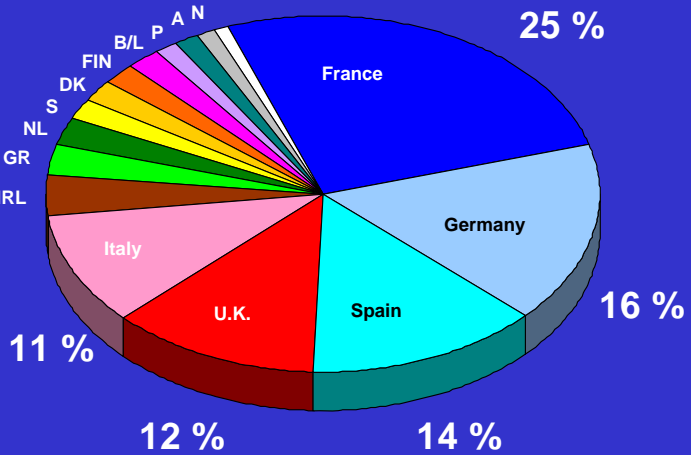
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Fertilizer consumption in Western Europe 2001/02

Total: 15.9 Mill. mt nutrients

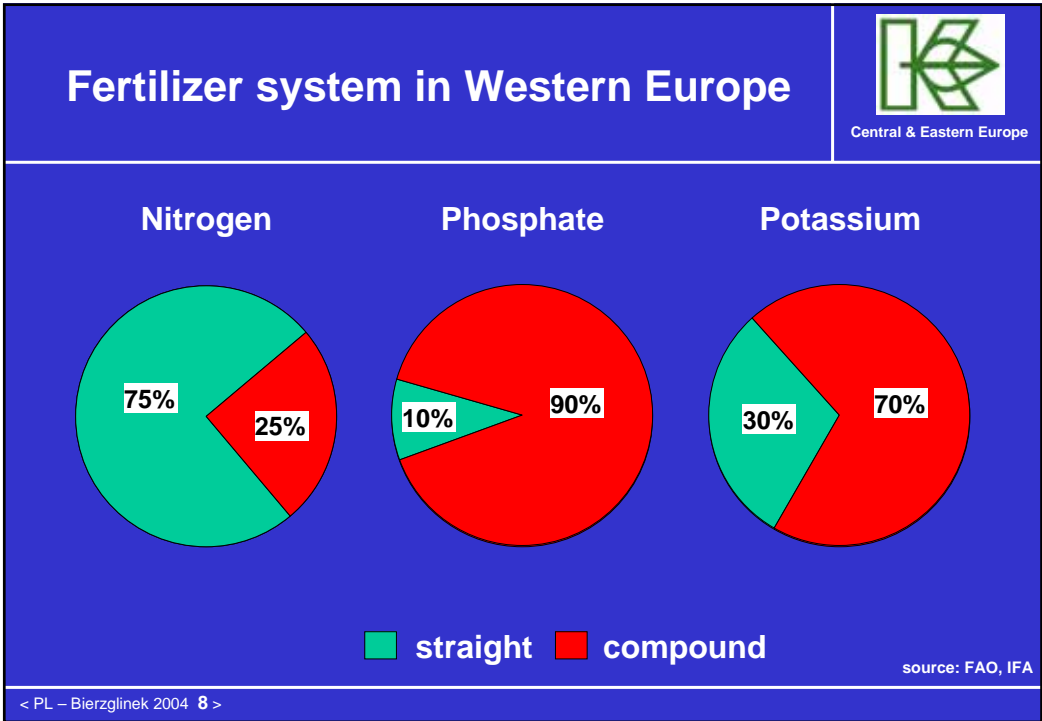
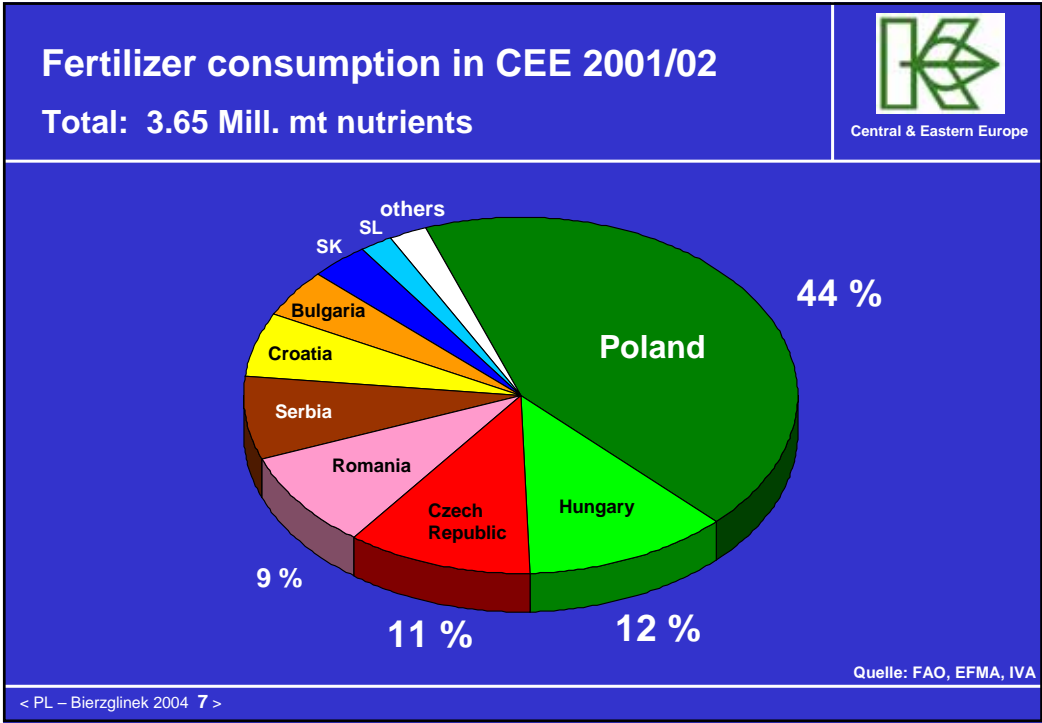


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source: FAO, EFMA, IVA

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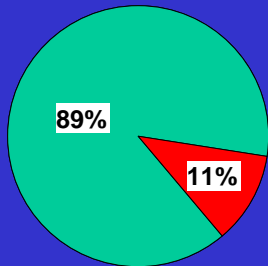


Fertilizer system in CEE

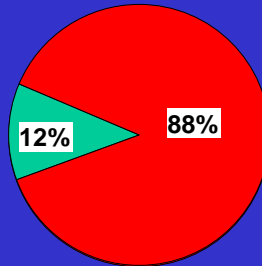


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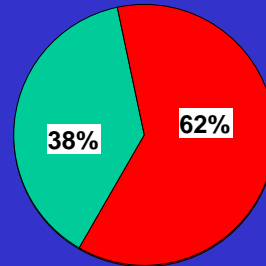
Nitrogen



Phosphate



Potassium



■ straight ■ compound

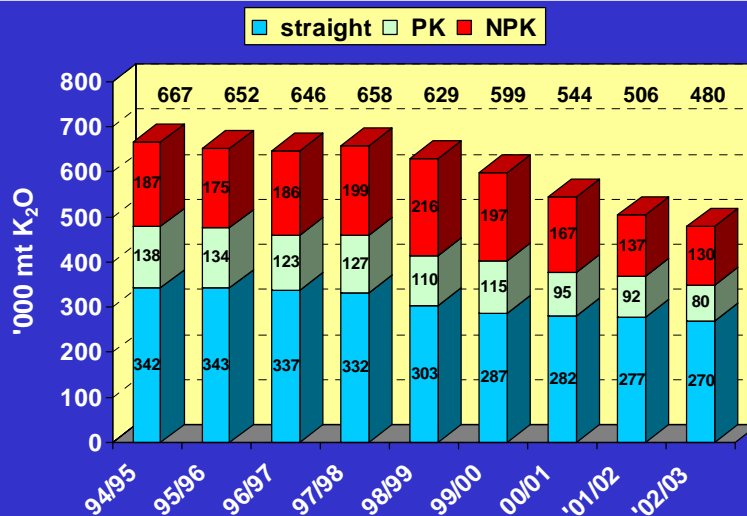
source: FAO, IFA

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Potassium consumption in German agriculture



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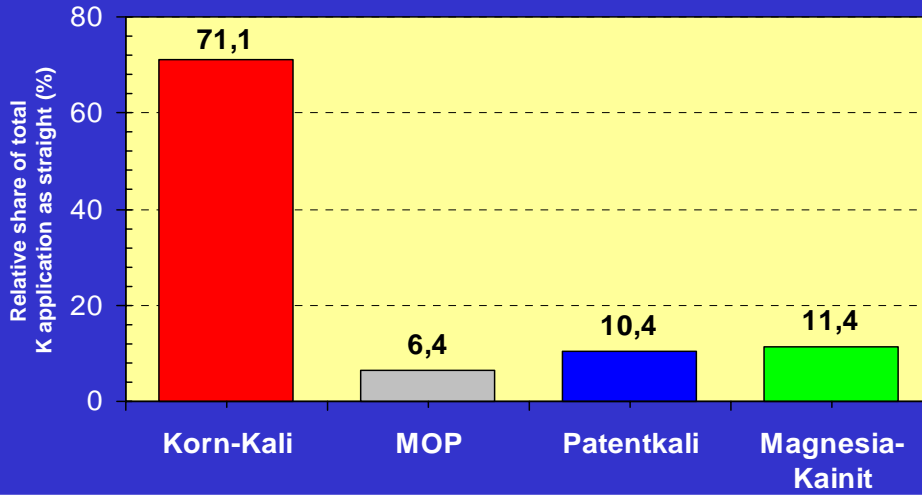


< PL – Bierzglinek 2004 10 >

Share of different potash fertilizers on the total application of straight K fertilizers
- Germany, 2001 -



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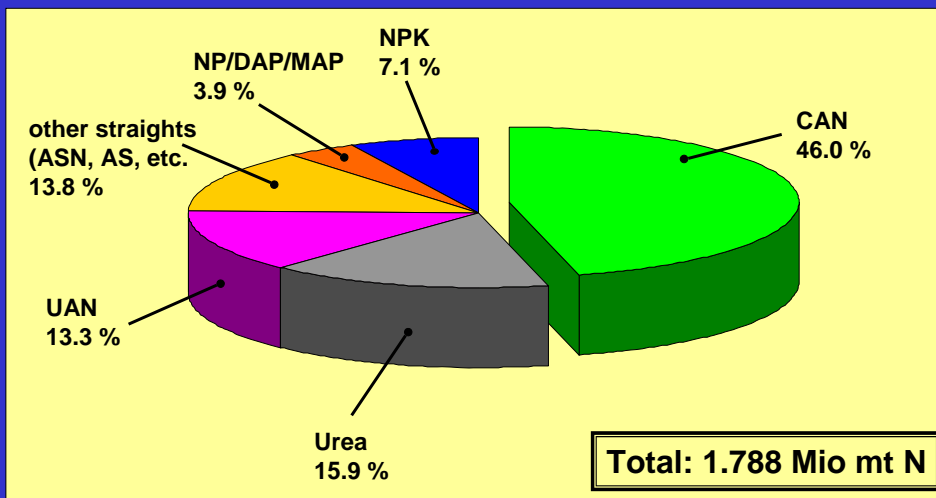


< PL – Bierzglinek 2004 11 >

N-fertilizer consumption in Germany
- 2002/2003, in % of total N -



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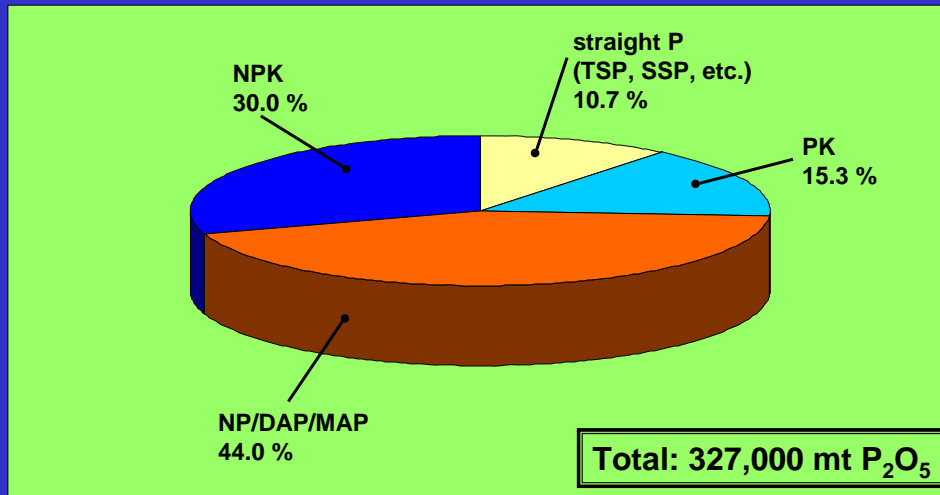


< PL – Bierzglinek 2004 12 >

P-fertilizer consumption in Germany
 - 2002/2003, in % of total P_2O_5 -



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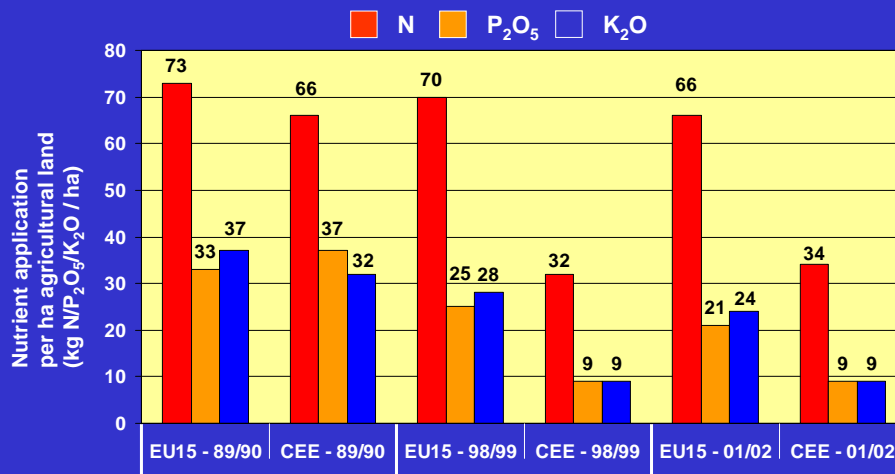


< PL – Bierzglinek 2004 13 >

The application rate for nitrogen, phosphate and potassium per hectare agricultural land in the EU 15 and CEE
 - 1989/90 – 2001/02 -



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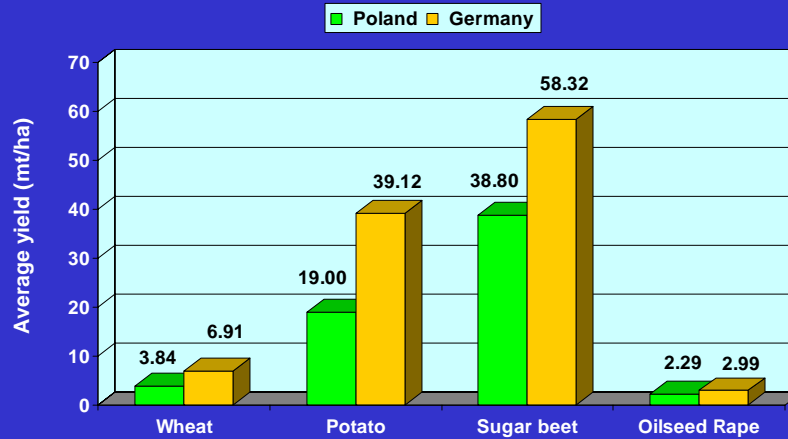
< PL – Bierzglinek 2004 14 >

Average yield level of various crops in Poland and Germany

- 2002 -



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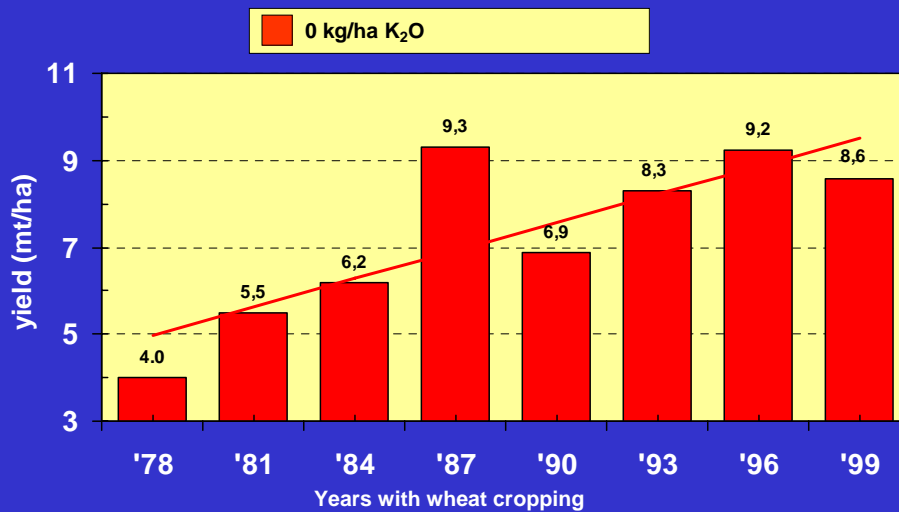
< PL – Bierzglinek 2004 15 >

K-trial Niesetal – yield of winter wheat 1978 – 2001

- no potassium & no farmyard manure -



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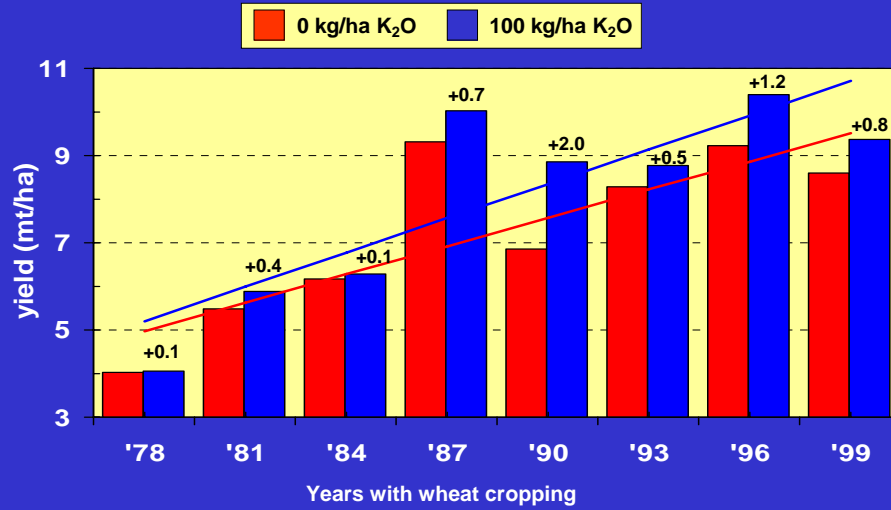


< PL – Bierzglinek 2004 16 >

K-trial Niesetal – yield of winter wheat 1978 – 2001
- 0 & 100 kg/ha K₂O, no farmyard manure -



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< PL – Bierzglinek 2004 18 >