Owning the Agribusiness Value Chain: The Impact of Biotechnology on the Production Sector



Will Farmers be Winners or Losers?

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1. Introduction:

Change:

- → Re-definition of the role of agriculture
- → Early days for biotechnology

Presentation outline:

- → Biotechnology developments in the context of other changes in agri-industry
- → Impact of biotechnology on the production sector
- → Will farmers be winners or losers?
- → Conclusion the new industry maxi-yacht

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2. Developments in biotechnology in the context of other changes in agri-industry

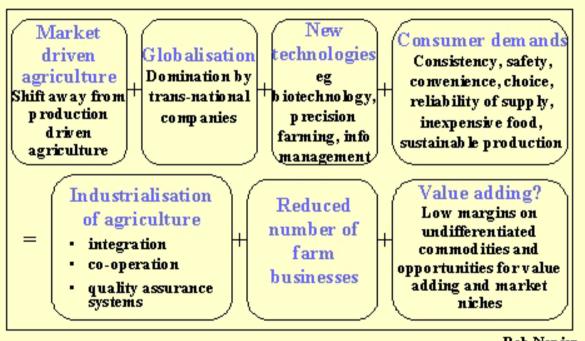
→ The effect of global trends on farm management



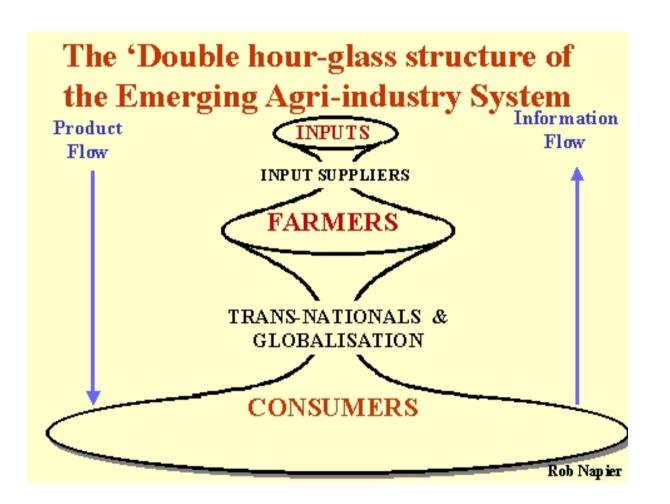
→ The 'hour-glass' structure of the agri-industry system



3. The effects of global trends on farm management



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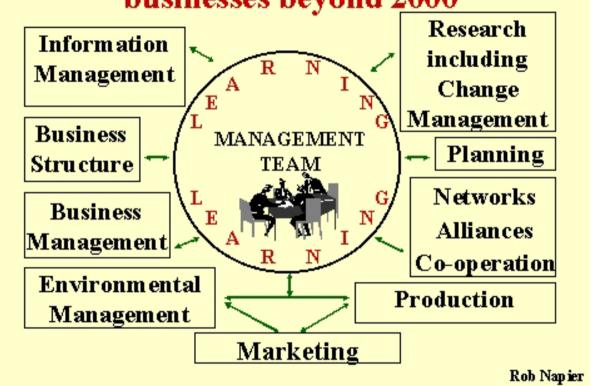
5. Areas of impact on production sector

- →Information management
- →On-farm research causes & effects
- →Cropping patterns
- →Cropping management
- →Costs & yields
- →Economies of size
- →Risk management
- →Quality assurance
- →Identity preservation
- →Loss of independence
- →Marketing skills
- →Image professionalism



6. Components of successful farm businesses beyond 2000

Research



7. Will farmers be winners or losers?

- →Farmers are not homogeneous
- →Many winning farmers are adopting GMO's other winners exploit the alternatives
- →Haves and have nots structural change
- →Beware the treadmill effect
- →Value added supply chains or low margin commodities?



8. Characteristics of the winners

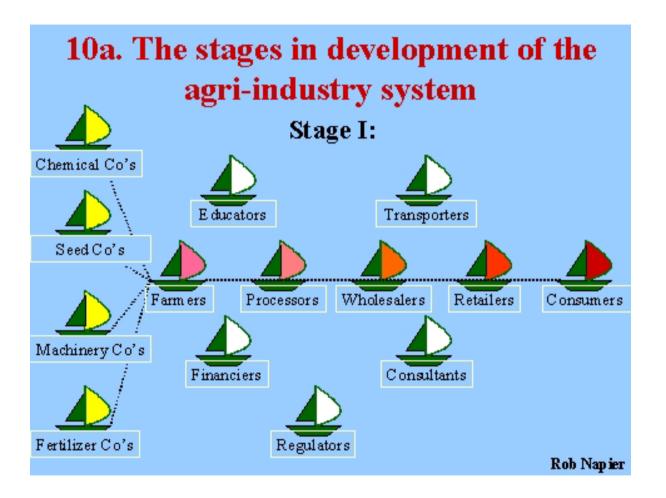
- →Attitude
- →Managerial capabilities
- →Learning capabilities
- \rightarrow Flexibility
- →Change managers
- →In bed with researchers
- →Economies of size
- →The power of groups
- →Win-win negotiations in integrated supply chains
- → Professionals

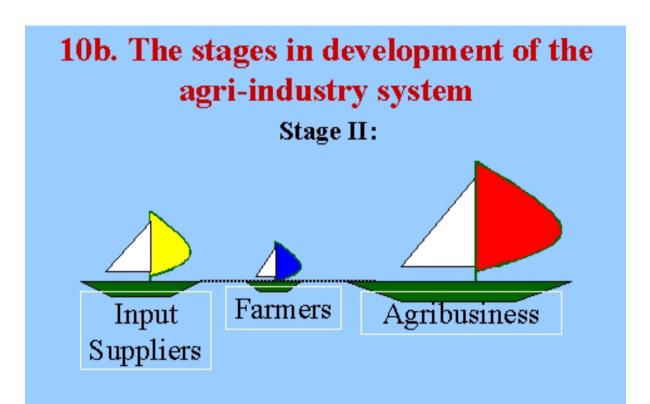


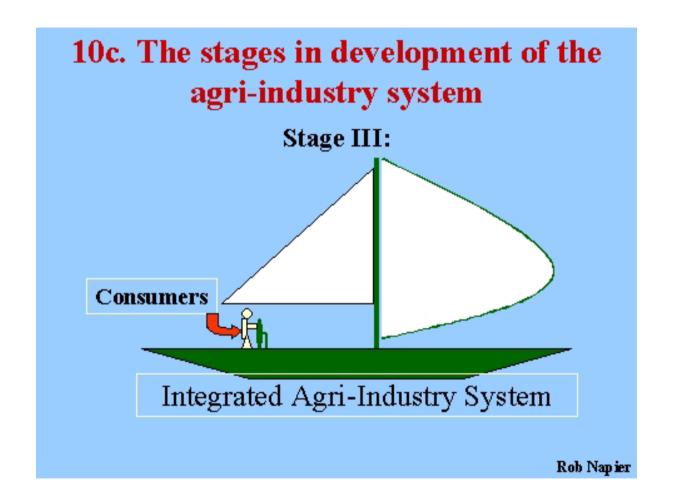
9. Conclusions

- →The agri-industry maxi-yacht
- \rightarrow The destination
 - · Safe products
 - Satisfied customers
 - · Sufficient value in the chain
 - Sustainability
- →The turbulent environment
- →The crew supply chain teamwork a new paradigm
- →The imperatives of change









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