

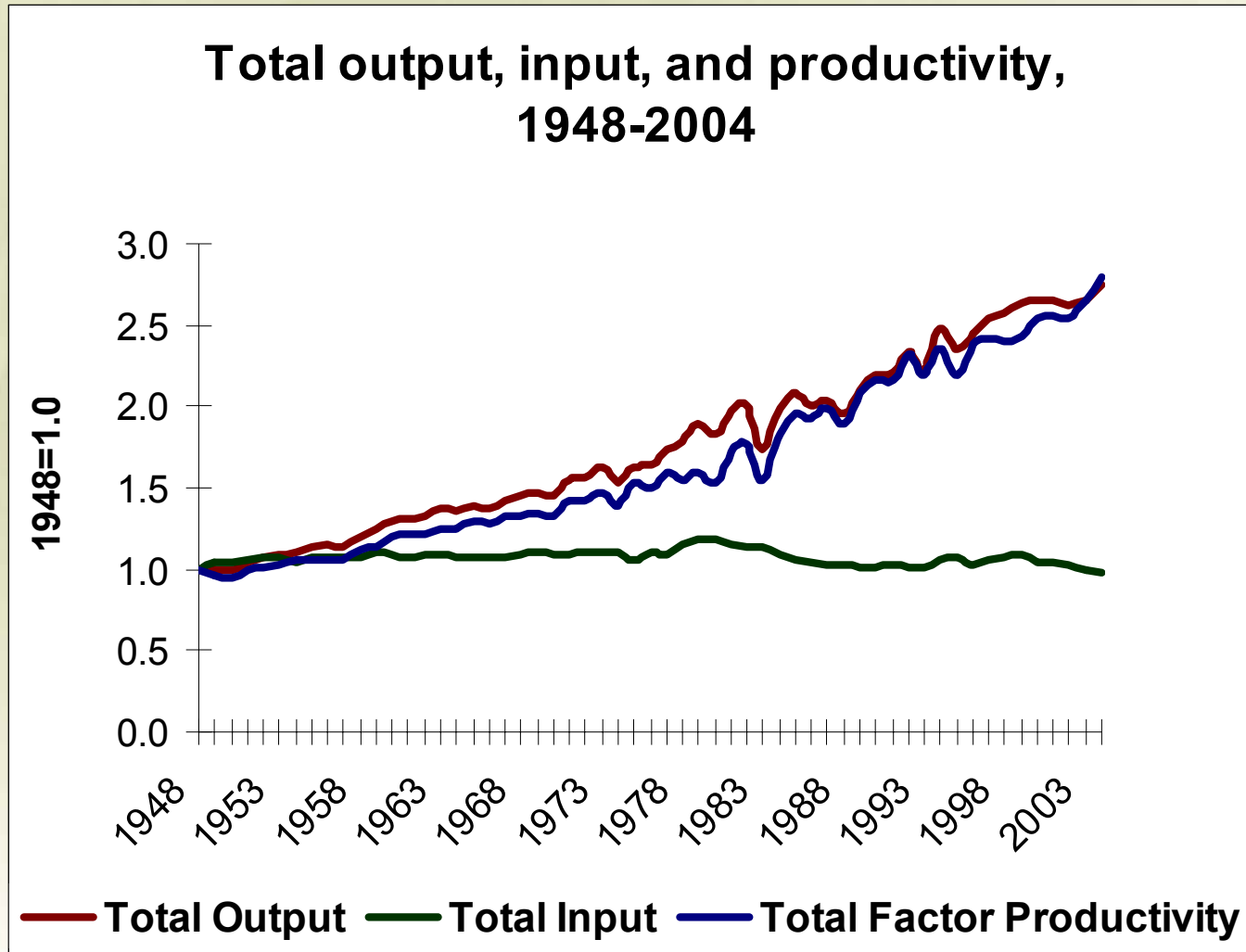
Investments in Science & Technology critical to competitiveness and new roles for agriculture

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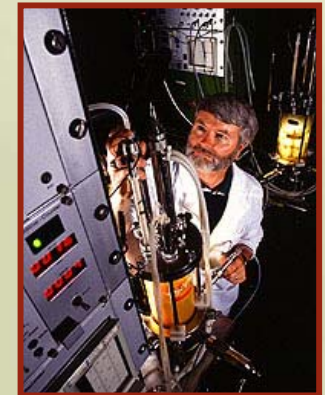


Productivity growth explains growth in agricultural output



What drives productivity growth?

- Public sector agricultural R&D
 - Focus on basic science & nonmarket goods including conservation, data
 - Documented high rates of return on investment: 30 – 70 %
- Private sector R&D
 - Focus on commercial applications
- Interaction with general economy
 - Post WWII exodus of labor from agriculture coincides with mechanization and rise of manufacturing
 - Social demands for green technology matches with conservation tillage



Who pays and sets priorities for R&D?

