

MEASURING AGRICULTURAL RESEARCH INVESTMENTS A Revised Global Picture

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Underlying Data for Figures

Underlying data for Figure 1 (Growth rates in public agricultural research expenditures, 1976-2000)

Country group	1976-81	1981-91	1991-2000
	(percentage)		
Low & middle income :			
Sub-Saharan Africa (45)	0.94	1.02	-0.15
Asia-Pacific (26)	7.98	4.67	3.35
Latin America & the Caribbean (25)	8.54	1.86	0.32
West Asia & North Africa (12)	na	4.12	2.93
<i>Subtotal (108)</i>	<i>6.36</i>	<i>3.02</i>	<i>1.91</i>
High income (32)	2.50	2.43	0.52
Global total (140)	na	2.66	1.10

Sources: Calculated by authors based on ASTI datasets, MOST (various years), OECD (various years), and Pardey et al. (2006); 1976-81 growth rates are from Pardey and Beintema (2001). Na means not available.

Underlying data for Figure 3 (Intensity ratios of public agricultural research expenditures, 1981, 1991, and 2000)

Country group	Agricultural R&D spending as a share of AgGDP		
	1981	1991	2000
	(percentage)		
Low & middle income :			
Sub-Saharan Africa (45)	0.86	0.76	0.65
Asia-Pacific (26)	0.33	0.37	0.39
Latin America & the Caribbean (25)	0.91	1.08	1.19
West Asia & North Africa (12)	0.60	0.60	0.74
<i>Subtotal (108)</i>	<i>0.56</i>	<i>0.56</i>	<i>0.55</i>
High income (32)	1.51	2.08	2.35
Global total (140)	0.91	1.00	0.98

Sources: Calculated by the authors based on ASTI datasets, MOST (various years), OECD (various years), and Pardey et al. (2006); GDP deflators are from World Bank (2008c).

Underlying data for Table 1 and Figure 2 (Public agricultural research expenditures, 1981- 2006)

Country group	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
(million 2005 PPP dollars)										
Low & middle income :										
Sub-Saharan Africa (45)	1,083.7	1,086.6	1,086.7	1,046.6	1,047.0	1,057.9	1,115.8	1,127.7	1,128.8	1,104.8
Asia-Pacific (26)	1,971.2	2,077.2	2,375.7	2,604.6	2,651.2	2,785.0	2,726.0	2,864.1	2,989.6	3,062.2
Latin America & the Caribbean (25)	2,274.1	2,280.6	2,073.4	2,075.5	2,336.3	2,380.8	2,628.7	2,359.2	2,494.9	2,426.5
West Asia & North Africa (12)	720.2	755.1	783.4	787.7	832.9	873.0	913.1	953.2	993.3	1,033.4
<i>Subtotal (108)</i>	<i>6,049.3</i>	<i>6,199.5</i>	<i>6,319.2</i>	<i>6,514.4</i>	<i>6,867.4</i>	<i>7,096.8</i>	<i>7,383.6</i>	<i>7,304.2</i>	<i>7,606.6</i>	<i>7,626.9</i>
High income (32)	9,773.8	10,040.6	10,156.5	10,281.2	10,474.7	10,736.0	11,309.8	11,464.5	11,786.9	11,769.1
Global total (140)	15,823.0	16,240.0	16,475.7	16,795.5	17,342.1	17,823.8	18,693.4	18,768.7	19,393.5	19,396.0

Country group	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
(million 2005 PPP dollars)										
Low & middle income :										
Sub-Saharan Africa (45)	1,253.2	1,192.7	1,146.9	1,202.1	1,117.1	1,080.4	1,064.9	1,238.0	1,169.6	1,238.9
Asia-Pacific (26)	3,286.7	3,594.9	3,731.6	3,787.8	3,906.7	3,987.4	4,007.3	4,147.7	4,388.8	4,758.2
Latin America & the Caribbean (25)	2,697.0	2,630.2	2,959.0	2,857.1	2,809.4	3,090.8	2,944.5	2,912.7	2,776.5	2,710.3
West Asia & North Africa (12)	1,073.5	1,113.6	1,153.7	1,193.8	1,233.9	1,274.0	1,316.9	1,316.4	1,344.9	1,411.5
<i>Subtotal (108)</i>	<i>8,310.4</i>	<i>8,531.4</i>	<i>8,991.3</i>	<i>9,040.8</i>	<i>9,067.1</i>	<i>9,432.7</i>	<i>9,333.5</i>	<i>9,614.8</i>	<i>9,679.8</i>	<i>10,119.0</i>
High income (32)	12,576.9	12,348.0	12,728.4	12,801.8	12,864.0	12,495.3	12,407.5	12,780.4	13,166.0	13,312.8
Global total (140)	20,887.3	20,879.5	21,719.7	21,842.6	21,931.1	21,927.9	21,741.1	22,395.1	22,845.8	23,431.8

Sources: Calculated by the authors based on ASTI datasets, MOST (various years), OECD (various years), and Pardey et al. (2006); GDP deflators are from World Bank (2008c).