

# **Producer Price Index - Agriculture (PPI-A)**

**(January - March 2004)**

## **1. Introduction**

The Producer Price Index-Agriculture (PPI-A) gives a measure of the average change in the selling prices which producers receive for their agricultural products. It covers about 90% of total agricultural production, excluding forestry and fishing.

This issue of the Economic and Social Indicators presents monthly PPI-A indices for the months of January, February and March 2004 as well as figures for preceding months updated in the light of additional information that have now become available.

A technical note on the construction of the PPI-A is annexed.

## **2. Producer Price Index – Agriculture: 1st Quarter 2004**

### *2.1 Structure of the PPI-A (Base period: 1997=100)*

The PPI-A covers two sub-groups, namely "Crop Products" and "Animals and Animal Products". "Crop Products" is further subdivided into "Sugar Cane" and "Other Crop Products". Sugar cane heavily influences both the "overall" index and that of sub-group "Crop Products", of which it constitutes 69.6% and 82.2% respectively.

### *2.2 Changes in the monthly index*

The PPI-A stood at 127.7 at the end of March 2004, following an increase of 4.3% in January, a slight drop of 0.4% in February and a rise of 2.7% in March. (Table 1)

#### **(a) Crop Products**

The index for the sub-group "Crop Products", which carries 84.6% of the total weight, went up by 4.6% in January 2004, followed by a fall of 1.1% in February and an increase of 3.0% in March.

The price of sugar cane, which represents 82% of this subgroup or 70% of the "overall" index becomes available in final form only at the end of the crop year (July to June) and this price is assumed to have prevailed during the whole of the crop year. Thus the Producer Price Index for sugar cane does not show any change during this quarter.

The index for the sub-group "Other Crop Products" went up considerably by 24.3% or 32.0 points to reach 163.9 in January 2004 mainly due to increases of 46.7%, 8.9% and 4.2% in the prices of fresh vegetables, "flowers, ornamental plants" and fruits respectively. The substantial rise in the producer prices of fresh vegetables was due to the passage of cyclone Darius in the first week of January 2004 and excessive rainfall during the first half of the same month. The index then declined by 5.0% or 8.2 points to reach 155.7 in February, mainly influenced by drops of 24.6%, 24.0% and 3.5% in the prices of root crops, fruits and "flowers, ornamental plants" respectively. Subsequently, the index rose by 13.4% or 20.9 points to reach 176.6 in March, being the combined effect of increases of 26.3% and 9.3% in prices of fresh vegetables and root crops respectively and a fall of 30.9% in the prices of fruits.

## **(b) Animals and Animal Products**

The index for the sub-group "Animals and Animal Products" registered three consecutive increases of 2.0%, 4.2% and 1.3% in January, February and March respectively, the main contributors to these changes being increases in the producer prices of eggs and poultry. Prices of eggs went up by 6.3% in January, 6.8% in February and 1.0% in March. In the case of poultry, prices grew by 0.2%, 3.7% and 1.7% respectively.

More details of changes on a month-to-month basis are given in Table 2 and changes over the corresponding month of the previous year in Table 3.

### *2.3 Changes in the quarterly index*

Table 4 gives the evolution of the Producer Price Index - Agriculture on a quarterly basis. The overall index for the first quarter of 2004 stood at 126.1, showing a rise of 6.2% over the previous quarter and an increase of 4.0% over the corresponding quarter of 2003.

Percentage changes on a quarterly basis and the net contributions of commodity groups and products are presented in Table 5.

### *2.4 Annual index*

The annual indices for the years 2001, 2002 and 2003, annual changes and the net contributions of commodity groups and products to the change are presented in Table 6. The Producer Price Index - Agriculture for 2003 stood at 121.6, representing an increase of 3.5% over 2002, mainly as a consequence of a 4.5% or 5.1 points in the average price of sugar cane.

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June 2004

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## Monthly Producer Price Index -Agriculture (PPI-A)

(Base period:Year 1997=100)

**Table 1: Monthly indices by commodity groups and products, January 2002 - March 2004**

Commodity Group	Weight	2004		
		January	February	March
<b>Crop Products</b>	<b>846.2</b>	<b>126.1</b>	<b>124.7</b>	<b>128.4</b>
<b>Sugar cane <sup>1</sup></b>	<b>695.9</b>	<b>118.0</b>	<b>118.0</b>	<b>118.0</b>
<b>Other crop products</b>	<b>150.3</b>	<b>163.9</b>	<b>155.7</b>	<b>176.6</b>
Root Crops	13.2	164.0	123.7	135.2
Fruits	18.7	209.7	159.3	110.1
Fresh vegetables	89.4	162.8	166.2	209.9
Flowers,Ornamental plants <sup>1</sup>	14.2	131.5	126.9	127.6
Tea <sup>1</sup>	8.8	141.7	141.7	141.7
Tobacco <sup>1</sup>	6.0	146.0	146.0	146.0
<b>Animals &amp; Animal Products</b>	<b>153.8</b>	<b>117.5</b>	<b>122.4</b>	<b>124.0</b>
Cattle	4.2	84.8	84.8	84.8
Pigs	6.2	96.9	96.9	96.9
Goat	1.4	112.2	112.2	112.2
Deer	6.2	135.8	135.8	135.8
Poultry	86.2	110.3	114.4	116.4
Eggs	43.2	137.3	146.7	148.2
Milk	6.4	105.6	105.6	105.6
<b>Overall Index</b>	<b>1,000.0</b>	<b>124.8</b>	<b>124.3</b>	<b>127.7</b>

<sup>1</sup> Provisional

## Monthly Producer Price Index -Agriculture (PPI-A)

(Base period:Year 1997=100)

**Table 1(Cont'd) : Monthly indices by commodity groups and products, January 2002 - March 2004**

Commodity Group	Weight	2003											
		January	February	March	April	May	June	July	August	September	October	November	December
<b>Crop Products</b>	<b>846.2</b>	<b>118.1</b>	<b>123.7</b>	<b>129.1</b>	<b>128.2</b>	<b>130.1</b>	<b>127.1</b>	<b>122.0</b>	<b>120.2</b>	<b>118.5</b>	<b>118.5</b>	<b>120.6</b>	<b>120.5</b>
<b>Sugar cane</b>	<b>695.9</b>	<b>118.0</b>	<b>118.0</b> <sup>2</sup>										
<b>Other crop products</b>	<b>150.3</b>	<b>118.3</b>	<b>149.9</b>	<b>180.5</b>	<b>175.7</b>	<b>186.2</b>	<b>169.1</b>	<b>140.7</b>	<b>130.5</b>	<b>120.7</b>	<b>120.7</b>	<b>132.5</b>	<b>131.9</b>
Root Crops	13.2	146.9	153.5	141.5	164.5	157.3	149.2	157.0	157.8	157.4	171.2	172.3	174.2
Fruits	18.7	157.3	137.8	122.6	110.2	101.4	102.7	102.5	113.2	136.1	189.0	206.6	201.2
Fresh vegetables	89.4	102.3	158.9	215.8	207.1	227.1	199.5	149.8	130.2	107.9	94.6	111.7	111.0
Flowers,Ornamental plants	14.2	115.4	113.0	109.3	107.9	111.7	110.8	115.8	116.3	123.2	124.7	117.3	120.8 <sup>1</sup>
Tea	8.8	141.7 <sup>1</sup>	141.7 <sup>2</sup>	141.7 <sup>2</sup>	141.7 <sup>2</sup>	141.7 <sup>2</sup>	141.7 <sup>2</sup>	141.7 <sup>2</sup>					
Tobacco <sup>1</sup>	6.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0
<b>Animals &amp; Animal Products</b>	<b>153.8</b>	<b>109.6</b>	<b>110.8</b>	<b>111.8</b>	<b>112.5</b>	<b>115.9</b>	<b>119.6</b>	<b>120.0</b>	<b>117.2</b>	<b>115.9</b>	<b>110.4</b>	<b>111.7</b>	<b>115.2</b>
Cattle	4.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
Pigs	6.2	129.8	129.8	129.8	126.3	126.3	126.3	107.7	107.7	102.4	99.7	99.7	99.7
Goat	1.4	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2
Deer	6.2	133.2	133.2	133.2	133.2	133.2	135.0	135.0	135.0	135.8	135.8	135.8	135.8
Poultry	86.2	108.1	108.1	108.1	108.1	108.3	108.3	110.1	110.3	110.3	110.1	110.1	110.1
Eggs	43.2	110.2	114.4	117.2	120.1	131.8	144.7	145.1	134.7	130.9	112.1	116.7	129.2
Milk	6.4	100.0	100.0	105.6	105.6	105.6	105.6	105.6	105.6	105.6	105.6	105.6	105.6
<b>Overall Index</b>	<b>1,000.0</b>	<b>116.8</b>	<b>121.7</b>	<b>126.4</b>	<b>125.8</b>	<b>127.9</b>	<b>125.9</b>	<b>121.7</b>	<b>119.7</b>	<b>118.1</b>	<b>117.3</b>	<b>119.2</b>	<b>119.7</b>

<sup>1</sup> Revised

<sup>2</sup> Provisional

## Monthly Producer Price Index -Agriculture (PPI-A)

(Base period:Year 1997=100)

**Table 1 (Cont'd) : Monthly indices by commodity groups and products, January 2002 - March 2004**

Commodity Group	Weight	2002											
		January	February	March	April	May	June	July	August	September	October	November	December
<b>Crop Products</b>	<b>846.2</b>	<b>116.8</b>	<b>124.6</b>	<b>127.8</b>	<b>116.8</b>	<b>111.3</b>	<b>113.1</b>	<b>118.6</b>	<b>119.4</b>	<b>120.8</b>	<b>120.7</b>	<b>119.7</b>	<b>121.9</b>
<b>Sugar cane</b>	<b>695.9</b>	<b>107.8</b>	<b>107.8</b>	<b>107.8</b>	<b>107.8</b>	<b>107.8</b>	<b>107.8</b>	<b>118.0</b>	<b>118.0</b>	<b>118.0</b>	<b>118.0</b>	<b>118.0</b>	<b>118.0</b>
<b>Other crop products</b>	<b>150.3</b>	<b>158.2</b>	<b>202.5</b>	<b>220.4</b>	<b>158.4</b>	<b>127.8</b>	<b>137.9</b>	<b>121.3</b>	<b>125.7</b>	<b>133.7</b>	<b>133.3</b>	<b>127.5</b>	<b>140.2</b>
Root Crops	13.2	139.7	164.2	179.2	142.2	170.2	160.0	157.3	155.9	157.7	156.2	154.5	157.0
Fruits	18.7	156.8	137.1	125.5	135.9	134.5	138.1	146.0	153.2	143.9	122.1	220.3	280.5
Fresh vegetables	89.4	171.3	246.3	277.8	177.4	121.7	139.2	109.6	115.4	130.4	133.9	106.2	113.4
Flowers, Ornamental plants	14.2	114.2	113.9	106.4	102.5	105.4	106.8	109.9	111.1	112.5	116.0	101.9	109.2
Tea	8.8	141.4	141.4	141.4	141.4	141.4	141.4	141.7	141.7	141.7	141.7	141.7	141.7 <sup>1</sup>
Tobacco	6.0	137.2	137.2	137.2	137.2	137.2	137.2	137.2	137.2	137.2	137.2	137.2	137.2
<b>Animals &amp; Animal Products</b>	<b>153.8</b>	<b>109.7</b>	<b>112.2</b>	<b>112.3</b>	<b>113.2</b>	<b>115.2</b>	<b>115.9</b>	<b>116.7</b>	<b>116.5</b>	<b>113.7</b>	<b>108.6</b>	<b>106.4</b>	<b>108.7</b>
Cattle	4.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
Pigs	6.2	106.8	117.3	117.3	117.3	117.3	129.8	129.8	129.8	129.8	129.8	129.8	129.8
Goat	1.4	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2
Deer	6.2	128.9	128.9	128.9	128.9	128.9	130.3	130.3	130.3	130.3	132.9	133.2	133.2
Poultry	86.2	106.5	106.7	106.7	106.7	106.7	106.3	106.3	106.3	106.3	106.3	106.3	106.3
Eggs	43.2	117.5	124.5	125.0	128.0	135.1	136.6	139.3	138.8	128.5	110.3	102.1	110.3
Milk	6.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>Overall Index</b>	<b>1,000.0</b>	<b>115.7</b>	<b>122.7</b>	<b>125.4</b>	<b>116.2</b>	<b>111.9</b>	<b>113.5</b>	<b>118.3</b>	<b>119.0</b>	<b>119.7</b>	<b>118.8</b>	<b>117.7</b>	<b>119.9</b>

<sup>1</sup> Revised

## Monthly Producer Price Index -Agriculture (PPI-A)

(Base period:Year 1997=100)

**Table 2 : Percentage changes from previous month by commodity groups and products , April 2003 - March 2004**

Commodity Group	Weight	Percentage changes from											
		Mar 03 to	Apr 03 to	May 03 to	June 03 to	July 03 to	Aug 03 to	Sept 03 to	Oct 03 to	Nov 03 to	Dec 03 to	Jan 04 to	Feb 04 to
		Apr 03	May 03	June 03	July 03	Aug 03	Sept 03	Oct 03	Nov 03	Dec 03	Jan 04	Feb 04	Mar 04
<b>Crop Products</b>	<b>846.2</b>	<b>-0.7</b>	<b>1.5</b>	<b>-2.3</b>	<b>-4.0</b>	<b>-1.5</b>	<b>-1.4</b>	<b>0.0</b>	<b>1.8</b>	<b>-0.1</b>	<b>4.6</b>	<b>-1.1</b>	<b>3.0</b>
<b>Sugar cane</b>	<b>695.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Other crop products</b>	<b>150.3</b>	<b>-2.7</b>	<b>6.0</b>	<b>-9.2</b>	<b>-16.8</b>	<b>-7.2</b>	<b>-7.5</b>	<b>0.0</b>	<b>9.8</b>	<b>-0.5</b>	<b>24.3</b>	<b>-5.0</b>	<b>13.4</b>
Root Crops	13.2	16.3	-4.4	-5.1	5.2	0.5	-0.3	8.8	0.6	1.1	-5.9	-24.6	9.3
Fruits	18.7	-10.1	-8.0	1.3	-0.2	10.4	20.2	38.9	9.3	-2.6	4.2	-24.0	-30.9
Fresh vegetables	89.4	-4.0	9.7	-12.2	-24.9	-13.1	-17.1	-12.3	18.1	-0.6	46.7	2.1	26.3
Flowers,Ornamental plants	14.2	-1.3	3.5	-0.8	4.5	0.4	5.9	1.2	-5.9	3.0	8.9	-3.5	0.6
Tea	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tobacco	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Animals &amp; Animal Products</b>	<b>153.8</b>	<b>0.6</b>	<b>3.0</b>	<b>3.2</b>	<b>0.3</b>	<b>-2.3</b>	<b>-1.1</b>	<b>-4.7</b>	<b>1.2</b>	<b>3.1</b>	<b>2.0</b>	<b>4.2</b>	<b>1.3</b>
Cattle	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pigs	6.2	-2.7	0.0	0.0	-14.7	0.0	-4.9	-2.6	0.0	0.0	-2.8	0.0	0.0
Goat	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Deer	6.2	0.0	0.0	1.4	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0
Poultry	86.2	0.0	0.2	0.0	1.7	0.2	0.0	-0.2	0.0	0.0	0.2	3.7	1.7
Eggs	43.2	2.5	9.7	9.8	0.3	-7.2	-2.8	-14.4	4.1	10.7	6.3	6.8	1.0
Milk	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Overall Change</b>	<b>1,000.0</b>	<b>-0.5</b>	<b>1.7</b>	<b>-1.6</b>	<b>-3.3</b>	<b>-1.6</b>	<b>-1.3</b>	<b>-0.7</b>	<b>1.6</b>	<b>0.4</b>	<b>4.3</b>	<b>-0.4</b>	<b>2.7</b>

## Monthly Producer Price Index -Agriculture (PPI-A)

(Base period:Year 1997=100)

**Table 3 : Percentage changes from corresponding month of previous year by commodity groups and products , April 2003 - March 2004**

Commodity Group	Weight	Percentage changes from											
		Apr 02 to Apr 03	May 02 to May 03	Jun 02 to Jun 03	Jul 02 to Jul 03	Aug 02 to Aug 03	Sept 02 to Sept 03	Oct 02 to Oct 03	Nov 02 to Nov 03	Dec 02 to Dec 03	Jan 03 to Jan 04	Feb 03 to Feb 04	Mar 03 to Mar 04
<b>Crop Products</b>	<b>846.2</b>	<b>9.8</b>	<b>16.9</b>	<b>12.4</b>	<b>2.9</b>	<b>0.7</b>	<b>-1.9</b>	<b>-1.8</b>	<b>0.8</b>	<b>-1.1</b>	<b>6.8</b>	<b>0.8</b>	<b>-0.5</b>
<b>Sugar cane</b>	<b>695.9</b>	<b>9.5</b>	<b>9.5</b>	<b>9.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Other crop products</b>	<b>150.3</b>	<b>10.9</b>	<b>45.7</b>	<b>22.6</b>	<b>16.0</b>	<b>3.8</b>	<b>-9.7</b>	<b>-9.5</b>	<b>3.9</b>	<b>-5.9</b>	<b>38.5</b>	<b>3.9</b>	<b>-2.2</b>
Root Crops	13.2	15.7	-7.6	-6.8	-0.2	1.2	-0.2	9.6	11.5	11.0	11.6	-19.4	-4.5
Fruits	18.7	-18.9	-24.6	-25.6	-29.8	-26.1	-5.4	54.8	-6.2	-28.3	33.3	15.6	-10.2
Fresh vegetables	89.4	16.7	86.6	43.3	36.7	12.8	-17.3	-29.4	5.2	-2.1	59.1	4.6	-2.7
Flowers,Ornamental plants	14.2	5.3	6.0	3.7	5.4	4.7	9.5	7.5	15.1	10.6	14.0	12.3	16.7
Tea	8.8	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tobacco	6.0	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	0.0	0.0	0.0
<b>Animals &amp; Animal Products</b>	<b>153.8</b>	<b>-0.6</b>	<b>0.6</b>	<b>3.2</b>	<b>2.8</b>	<b>0.6</b>	<b>1.9</b>	<b>1.7</b>	<b>5.0</b>	<b>6.0</b>	<b>7.2</b>	<b>10.5</b>	<b>10.9</b>
Cattle	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pigs	6.2	7.7	7.7	-2.7	-17.0	-17.0	-21.1	-23.2	-23.2	-23.2	-25.3	-25.3	-25.3
Goat	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Deer	6.2	3.3	3.3	3.6	3.6	3.6	4.2	2.2	2.0	2.0	2.0	2.0	2.0
Poultry	86.2	1.3	1.5	1.9	3.6	3.8	3.8	3.6	3.6	3.6	2.0	5.8	7.7
Eggs	43.2	-6.2	-2.4	5.9	4.2	-3.0	1.9	1.6	14.3	17.1	24.6	28.2	26.5
Milk	6.4	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	0.0
<b>Overall Change</b>	<b>1,000.0</b>	<b>8.3</b>	<b>14.3</b>	<b>10.9</b>	<b>2.9</b>	<b>0.6</b>	<b>-1.3</b>	<b>-1.3</b>	<b>1.3</b>	<b>-0.2</b>	<b>6.8</b>	<b>2.1</b>	<b>1.0</b>

## Quarterly Producer Price Index -Agriculture (PPI-A)

(Base period:Year 1997=100)

**Table 4: Quarterly indices <sup>1</sup> by commodity groups and products, 2nd Quarter 2002 - 1st Quarter 2004**

Commodity Group	2002			2003				2004
	2nd Qr	3rd Qr	4th Qr	1st Qr	2nd Qr	3rd Qr	4th Qr	1st Qr
<b>Crop Products</b>	<b>113.5</b>	<b>119.6</b>	<b>121.5</b>	<b>123.2</b>	<b>128.4</b>	<b>120.3</b>	<b>119.9</b>	<b>127.0</b>
<b>Sugar cane</b>	<b>107.8</b>	<b>118.0</b>	<b>118.0</b>	<b>118.0</b>	<b>118.0</b>	<b>118.0</b> <sup>3</sup>	<b>118.0</b> <sup>3</sup>	<b>118.0</b> <sup>3</sup>
<b>Other crop products</b>	<b>139.7</b>	<b>126.9</b>	<b>137.5</b>	<b>147.2</b>	<b>176.4</b>	<b>130.7</b>	<b>128.8</b>	<b>168.5</b>
Root Crops	159.3	157.1	155.9	147.0	154.2	157.4	173.0	157.7
Fruits	136.2	147.5	242.2	146.6	104.6	117.6	200.9	180.6
Fresh vegetables	143.1	118.5	117.1	153.5	210.7	129.3	106.1	178.0
Flowers,Ornamental plants	104.9	111.2	109.0	112.6	110.1	118.4	120.9 <sup>2</sup>	128.7 <sup>3</sup>
Tea	141.4 <sup>2</sup>	141.7 <sup>3</sup>	141.7 <sup>3</sup>	141.7 <sup>3</sup>				
Tobacco	137.2	137.2	137.2	146.0 <sup>2</sup>	146.0 <sup>2</sup>	146.0 <sup>2</sup>	146.0 <sup>2</sup>	146.0 <sup>3</sup>
<b>Animals &amp; Animal Products</b>	<b>114.8</b>	<b>115.6</b>	<b>107.9</b>	<b>110.8</b>	<b>116.0</b>	<b>117.7</b>	<b>112.4</b>	<b>121.3</b>
Cattle	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
Pigs	121.5	129.8	129.8	129.8	126.3	105.9	99.7	96.9
Goat	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2
Deer	129.4	130.3	133.1	133.2	133.8	135.3	135.8	135.8
Poultry	106.6	106.3	106.3	108.1	108.2	110.2	110.1	113.7
Eggs	133.2	135.5	107.6	113.9	132.2	136.9	119.3	144.1
Milk	100.0	100.0	100.0	101.9	105.6	105.6	105.6	105.6
<b>Overall Index</b>	<b>113.7</b>	<b>119.0</b>	<b>119.4</b>	<b>121.3</b>	<b>126.5</b>	<b>119.9</b>	<b>118.7</b>	<b>126.1</b>

<sup>1</sup> using data for base period as weights, and not a simple average of the monthly indices

<sup>2</sup> Revised

<sup>3</sup> Provisional

## Quarterly Producer Price Index -Agriculture (PPI-A)

(Base period:Year 1997=100)

**Table 5: Quarterly changes (%) and Net Contributions of commodity groups and products to the change, 1st Quarter 2003 - 1st Quarter 2004**

Commodity Group	Weight	Percentage Changes from previous quarter				Percentage Changes from corresponding quarter of previous year				Net Contributions from			
		1st Qr 03 to 2nd Qr 03	2nd Qr 03 to 3rd Qr 03	3rd Qr 03 to 4th Qr 03	4th Qr 03 to 1st Qr 04	2nd Qr 02 to 2nd Qr 03	3rd Qr 02 to 3rd Qr 03	4th Qr 02 to 4th Qr 03	1st Qr 03 to 1st Qr 04	1st Qr 03 to 2nd Qr 03	2nd Qr 03 to 3rd Qr 03	3rd Qr 03 to 4th Qr 03	4th Qr 03 to 1st Qr 04
		<b>Crop Products</b>	<b>846.2</b>	<b>4.2</b>	<b>-6.3</b>	<b>-0.3</b>	<b>5.9</b>	<b>13.1</b>	<b>0.6</b>	<b>-1.3</b>	<b>3.1</b>	<b>4.38</b>	<b>-6.88</b>
<b>Sugar cane</b>	<b>695.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>9.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Other crop products</b>	<b>150.3</b>	<b>19.8</b>	<b>-25.9</b>	<b>-1.5</b>	<b>30.8</b>	<b>26.3</b>	<b>3.0</b>	<b>-6.3</b>	<b>14.5</b>	<b>4.38</b>	<b>-6.88</b>	<b>-0.26</b>	<b>5.96</b>
Root Crops	13.2	4.9	2.1	9.9	-8.8	-3.2	0.2	11.0	7.3	0.10	0.04	0.21	-0.20
Fruits	18.7	-28.6	12.4	70.8	-10.1	-23.2	-20.3	-17.1	23.2	-0.79	0.24	1.56	-0.38
Fresh vegetables	89.4	37.3	-38.6	-17.9	67.8	47.2	9.1	-9.4	16.0	5.11	-7.28	-2.07	6.43
Flowers,Ornamental plants	14.2	-2.2	7.5	2.1	6.5	5.0	6.5	10.9	14.3	-0.04	0.12	0.04	0.11
Tea	8.8	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Tobacco	6.0	0.0	0.0	0.0	0.0	6.4	6.4	6.4	0.0	0.00	0.00	0.00	0.00
<b>Animals &amp; Animal Products</b>	<b>153.8</b>	<b>4.7</b>	<b>1.5</b>	<b>-4.5</b>	<b>7.9</b>	<b>1.0</b>	<b>1.8</b>	<b>4.2</b>	<b>9.5</b>	<b>0.80</b>	<b>0.25</b>	<b>-0.81</b>	<b>1.36</b>
Cattle	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Pigs	6.2	-2.7	-16.2	-5.9	-2.8	4.0	-18.4	-23.2	-25.3	-0.02	-0.13	-0.04	-0.02
Goat	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Deer	6.2	0.5	1.1	0.4	0.0	3.4	3.8	2.0	2.0	0.00	0.01	0.00	0.00
Poultry	86.2	0.1	1.8	-0.1	3.3	1.5	3.7	3.6	5.2	0.01	0.17	-0.01	0.31
Eggs	43.2	16.1	3.6	-12.9	20.8	-0.8	1.0	10.9	26.5	0.79	0.20	-0.76	1.07
Milk	6.4	3.6	0.0	0.0	0.0	5.6	5.6	5.6	3.6	0.02	0.00	0.00	0.00
<b>Total</b>	<b>1,000.0</b>	<b>4.3</b>	<b>-5.2</b>	<b>-1.0</b>	<b>6.2</b>	<b>11.3</b>	<b>0.8</b>	<b>-0.6</b>	<b>4.0</b>	<b>5.18</b>	<b>-6.63</b>	<b>-1.07</b>	<b>7.32</b>

## Annual Producer Price Index -Agriculture (PPI-A)

(Base period:Year 1997=100)

**Table 6 : Annual indices, Annual changes (%) and Net contributions of commodity groups and products to the change, 2001 - 2003**

Commodity Group	Weight	Annual index <sup>1</sup>			Percentage Changes from		Net Contributions from	
		2001	2002	2003	2001 to 2002	2002 to 2003	2001 to 2002	2002 to 2003
<b>Crop Products</b>	<b>846.2</b>	<b>106.2</b>	<b>118.4</b>	<b>123.0</b>	<b>11.5</b>	<b>3.9</b>	<b>10.39</b>	<b>3.86</b>
<b>Sugar cane</b>	<b>695.9</b>	<b>102.5</b>	<b>112.9</b>	<b>118.0</b>	<b>10.1</b>	<b>4.5</b>	<b>7.24</b>	<b>3.55</b>
<b>Other crop products</b>	<b>150.3</b>	<b>123.1</b>	<b>144.0</b>	<b>146.1</b>	<b>17.0</b>	<b>1.5</b>	<b>3.15</b>	<b>0.31</b>
Root Crops	13.2	138.9	156.0	164.3	12.3	5.3	0.23	0.11
Fruits	18.7	116.4	168.7	162.8	44.9	-3.5	0.98	-0.11
Fresh vegetables	89.4	121.2	143.3	145.2	18.2	1.3	1.98	0.17
Flowers, Ornamental plants	14.2	111.1	109.2	115.5	-1.7	5.8	-0.03	0.09
Tea	8.8	139.4	141.6	141.7	1.6	0.1	0.02	0.00
Tobacco	6.0	143.0	137.2	146.0	-4.1	6.4	-0.03	0.05
<b>Animals &amp; Animal Products</b>	<b>153.8</b>	<b>114.2</b>	<b>112.5</b>	<b>114.2</b>	<b>-1.5</b>	<b>1.5</b>	<b>-0.27</b>	<b>0.28</b>
Cattle	4.2	84.0	84.8	84.8	1.0	0.0	0.00	0.00
Pigs	6.2	106.3	123.9	115.1	16.6	-7.1	0.11	-0.05
Goat	1.4	112.2	112.2	112.2	0.0	0.0	0.00	0.00
Deer	6.2	124.9	130.4	134.5	4.4	3.1	0.03	0.03
Poultry	86.2	106.3	106.5	109.2	0.2	2.5	0.02	0.23
Eggs	43.2	134.6	124.7	125.6	-7.4	0.7	-0.43	0.04
Milk	6.4	100.0	100.0	104.7	0.0	4.7	0.00	0.03
<b>Total</b>	<b>1,000.0</b>	<b>107.4</b>	<b>117.5</b>	<b>121.6</b>	<b>9.4</b>	<b>3.5</b>	<b>10.12</b>	<b>4.14</b>

<sup>1</sup> using data for base period as weights, and not a simple average of the monthly indices

## Technical Note

### Producer Price Index - Agriculture (PPI-A)

#### Methodology for the construction of the PPI-A

##### *Weighting scheme*

The weights are derived by multiplying the average of production during 1996, 1997 and 1998 by the average of unit prices in 1997, the reference period. The weight is assigned to each commodity group on the basis of total production (as a proxy for sales) pertaining to the particular group. At commodity level, the weights are apportioned within the commodity group on the basis of production of each product.

Quarterly and annual indices have been computed using a weighting system based on the production value for the base period.

##### *Price collection*

In principle, prices collected should refer to farm-gate prices, but it is extremely difficult to obtain such prices for vegetables, not only because of the enormous resources to be mobilised but also because of the unavailability of a list of planters. Hence, in lieu of the farm-gate price, the wholesale price of the produce is recorded at the two auction markets (Vacoas and Port-Louis) once a week.

In the case of commodities for which prices are fairly stable, data suppliers are visited on a quarterly basis, but prices are collected for each month of the quarter.

Prices of the main commercial crops like sugarcane, tea leaf and tobacco leaf, which are normally fixed for the crop year, are supplied by the respective marketing agencies.

##### *Index calculation*

The PPI-A is calculated according to a modified Laspeyres formula:

$$I_t = \frac{\sum W_i (P_{ti}/P_{oi})}{\sum W_i} \times 100$$

where :

$I_t$  is the index for the current period t

$P_{ti}$  is the price of commodity i in the current period t

$P_{oi}$  is the price of the commodity i in the reference period o (1997)

$W_i$  is the weight associated with commodity i