## Producer Price Index - Agriculture (PPI-A) July - September 2005

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**Technical Note** 

# Producer Price Index - Agriculture (PPI-A) (July - September 2005)

#### 1. Introduction

The Producer Price Index-Agriculture (PPI-A) gives a measure of the average change in prices which producers receive for their agricultural products.

In order to reflect changes in the production pattern of agricultural products, a new set of weights has been calculated with 2002 as base period, the previous one being 1997.

PPI-A for the months of July, August and September 2005 as well as those for the period from January 2003 to September 2005, based on the new weighting pattern and base period are presented in this issue of the Economic and Social Indicators.

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

## 2. Producer Price Index - Agriculture: 3rd Quarter 2005

## 2.1 Structure of the PPI-A (Base period: 2002=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 61.6% and 74.6% respectively.

## 2.2 Changes in the monthly index

The PPI-A stood at 114.1 at the end of September 2005, following two consecutive drops of 4.6% and 0.2% in July and August respectively and an increase of 1.7% in September (Table 2).

The index for "Crop Products", which carries 82.6% of the total weight, declined by 5.3% in July, stayed at the same level in August and rose by 2.1% in September. The index of sugar cane for the period June 2004 to July 2005 has been revised from 119.0 to 120.2 in the light of the final price of sugar for the 2004 crop that is now available. It is to be noted that this index is revised only at the end of the crop year (July to June) when final prices become available, and it is assumed that the same price prevails during the whole of the crop year.

As far as the "Other Crop Products" are concerned, the index fell by 21.8% in July due to the combined effect of a significant decrease of 32.8% in the prices of fresh vegetables and increases of 8.0%, 1.6% and 0.9% in the prices of root crops, fruits and flowers respectively. In August, the index fell slightly by 0.1%, mostly influenced by a 2.8% drop in prices of fresh vegetables, partly mitigated by a 15.2% increase in prices of fruits. In September, the index went up 10.8%, mainly influenced by a rise of 16.3% in the prices of fresh vegetables and another of 10.2% in those of fruits.

The index for the sub-group "Animals and Animal Products" fell slightly by 0.9% in July, being the

combined effect of a drop of 2.7% in prices of poultry, accompanied by the following price increases: pigs (+ 9.8%), cattle (+3.2%), eggs(+2.0%). In August, the index again slipped by 1.2% as a result of a decrease of 1.8% in the price of poultry and another of 0.2% in the price of eggs. Price of eggs declined further by 0.4% in September, bringing down the index by 0.1%.

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 5 gives the evolution of the Producer Price Index – Agriculture on a quarterly basis. The overall index for the third quarter of 2005 showed decreases of 11.5% over the previous quarter and 0.2% over the corresponding quarter of 2004.

## 2.4 Changes in the yearly index

Average prices producers received from the sale of agricultural products in the year 2004 were 5.5% higher compared to the previous year. The annual indices for the years 2002, 2003 and 2004, annual changes and the net contributions of commodity groups and products to the change are presented in Table 6.

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#### December 2005

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# Monthly Producer Price Index -Agriculture (PPI-A) (Base period: Year 2002=100)

Table 1: Monthly indices by commodity groups and products, January 2003 - September 2005

						2005				
Commodity Group	Weight	January	February	March	April	May	June	July	August	September
<b>Crop Products</b>	825.8	112.7	121.2	132.7	143.6	132.3	118.6	112.3	112.3	114.7
Sugar cane	615.9	120.2 1	120.2 1	120.2 1	120.2 1	120.2 1	120.2 1	120.2 <sup>2</sup>	120.2 <sup>2</sup>	120.2 <sup>2</sup>
Other crop products	209.9	90.6	124.0	169.5	212.4	167.9	113.9	89.1	89.0	98.6
Root Crops	20.2	103.5 1	96.2 1	92.9 1	96.4 1	123.2 1	118.6 1	128.1	128.1	127.2
Fruits	28.8	101.7	102.6	85.0	83.8	78.5	77.1	78.3	90.2	99.4
Fresh vegetables	138.0	82.1 1	133.4 1	$207.2^{\ 1}$	271.9 <sup>1</sup>	$201.5\ ^{1}$	120.5 1	81.0	78.7	91.5
Flowers, ornamental plants	11.5	126.7	132.3	127.2	130.7 1	$128.9\ ^{1}$	$127.0^{\ 1}$	$128.2\ ^2$	$125.3^{\ 2}$	$124.8^{2}$
Tea <sup>2</sup>	7.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
Tobacco <sup>2</sup>	4.1	116.3	116.3	116.3	116.3	116.3	116.3	116.3	116.3	116.3
Animals & Animal Products	174.2	111.9	112.0	112.6	112.7	113.4	114.0	113.0	111.6	111.5
Cattle	2.2	105.5	105.5	108.2	109.5	109.5	111.4	115.0	115.0	115.0
Pigs	4.6	54.1	54.1	57.0	57.0	57.0	57.0	62.6	62.6	62.6
Goat	1.3	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0
Deer	5.8	104.3	104.3	104.3	104.3	105.0	108.3	108.3	108.3	108.3
Poultry	111.3	112.0	112.0	112.0	112.4	112.4	112.4	109.4	107.4	107.4
Eggs	45.2	119.6	120.1	121.9	121.2	123.6	125.7	128.2	127.9	127.4
Milk	3.8	105.6	105.6	105.6	105.6	105.6	105.6	105.6	105.6	105.6
Overall Index	1000.0	112.6	119.6	129.2	138.2	129.0	117.8	112.4	112.2	114.1

<sup>&</sup>lt;sup>1</sup> Revised

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<sup>&</sup>lt;sup>2</sup> Provisional

## ${\bf Monthly\ Producer\ Price\ Index\ -Agriculture\ (PPI-A)}$

(Base period:Year 2002=100)

Table 1(cont'd): Monthly indices by commodity groups and products, January 2003 - September 2005

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Commodity Group	Weight	January	February	March	April	May	June	July	August	September	October	November	December
<b>Crop Products</b>	825.8	114.7	114.5	118.9	119.7	115.4	111.6	114.3	113.3	111.2	112.8	111.5	109.5
Sugar cane	615.9	113.2	113.2	113.2	113.2	113.2	113.2	120.2 1	120.2 1	120.2 1	120.2 1	120.2 1	120.2 1
Other crop products	209.9	118.9	118.5	135.6	138.9	121.9	106.8	97.0	92.9	84.8	91.1	85.9	78.0
Root Crops	20.2	102.2	85.3	90.8	94.3	100.8	110.4	117.7	117.9	116.7	116.8	117.6	117.1
Fruits	28.8	120.0	108.4	96.0	97.5	91.8	99.5	115.1	102.7	107.3	94.6	90.6	94.2
Fresh vegetables	138.0	122.1	126.5	154.4	158.6	133.1	107.1	88.0	84.1	70.8	82.6	75.6	62.8
Flowers,Ornamental plants	11.5	120.9	118.4	118.6	118.3	116.3	117.0	115.4	117.6	119.7	125.9	122.3	123.2
Tea	7.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3 <sup>2</sup>					
Tobacco	4.1	116.3	116.3	116.3	116.3	116.3	116.3	116.3	116.3	116.3	116.3	116.3	116.3
Animals & Animal Products	174.2	104.3	108.7	110.3	113.0	113.0	113.4	114.9	114.8	113.6	110.3	111.3	112.5
Cattle	2.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Pigs	4.6	75.0	75.0	75.0	72.8	72.8	72.8	76.0	71.5	71.5	54.1	54.1	54.1
Goat	1.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Deer	5.8	104.3	104.3	104.3	104.3	104.3	103.6	103.6	103.6	103.6	104.3	104.3	104.3
Poultry	111.3	103.5	107.2	109.1	112.9	112.9	113.1	114.4	114.4	114.4	113.5	113.5	113.5
Eggs	45.2	109.6	117.3	118.7	120.2	120.0	121.3	123.6	123.4	119.0	110.0	113.8	118.6
Milk	3.8	105.6	105.6	105.6	105.6	105.6	105.6	105.6	105.6	105.6	105.6	105.6	105.6
Overall Index	1000.0	112.9	113.5	117.4	118.5	115.0	111.9	114.4	113.6	111.6	112.4	111.5	110.0

<sup>1</sup> Revised

<sup>&</sup>lt;sup>2</sup> Provisional

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

(Base period:Year 2002=100)

Table 1 (cont'd): Monthly indices by commodity groups and products, January 2003 - September 2005

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Commodity Group	Weight	January	February	March	April	May	June	July	August	September	October	November	December
<b>Crop Products</b>	825.8	99.1	106.0	112.4	112.9	115.2	110.9	110.5	108.4	105.9	106.3	109.0	107.8
Sugar cane	615.9	104.5	104.5	104.5	104.5	104.5	104.5	113.2	113.2	113.2	113.2	113.2	113.2
Other crop products	209.9	83.4	110.5	135.5	137.6	146.8	129.5	102.7	94.3	84.5	86.2	96.6	92.1
Root Crops	20.2	90.5	94.1	91.1	102.5	107.8	99.7	100.6	101.5	100.9	110.0	111.1	111.0
Fruits	28.8	95.6	100.4	102.1	86.7	77.8	80.1	78.3	86.0	103.9	114.3	113.1	102.7
Fresh vegetables	138.0	76.4	115.9	154.7	159.5	174.3	148.8	107.9	93.3	74.2	73.2	89.7	84.8
Flowers, Ornamental plants	11.5	105.4	107.5	99.7	98.3	101.9	101.0	105.7	106.2	112.7	114.0	107.1	110.4
Tea	7.3	100.1	100.1	100.1	100.1	100.1	100.1	99.3	99.3	99.3	99.3	99.3	99.3
Tobacco	4.1	106.3	106.3	106.3	106.3	106.3	106.3	106.3	106.3	106.3	106.3	106.3	106.3
Animals & Animal Products	174.2	97.9	98.8	99.4	99.9	102.6	105.3	105.8	104.1	103.3	99.0	100.0	102.5
Cattle	2.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Pigs	4.6	100.0	100.0	100.0	97.2	97.2	97.2	76.1	83.5	79.3	77.2	77.2	77.2
Goat	1.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Deer	5.8	102.2	102.2	102.2	102.2	102.2	103.6	103.6	103.6	104.3	104.3	104.3	104.3
Poultry	111.3	101.3	101.3	101.3	101.3	101.6	101.6	103.1	103.5	103.5	103.1	103.1	103.1
Eggs	45.2	88.5	91.7	93.8	96.0	105.5	116.0	116.3	107.9	105.1	90.0	93.7	103.4
Milk	3.8	100.0	100.0	105.6	105.6	105.6	105.6	105.6	105.6	105.6	105.6	105.6	105.6
Overall Index	1000.0	98.9	104.7	110.1	110.6	113.0	109.9	109.7	107.7	105.4	105.0	107.4	106.9

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

(Base period:Year 2002=100)

Table 2: Percentage changes from previous month by commodity groups and products, October 2004 - September 2005

						Per	centage c	hanges f	rom				
Commodity Group	Weight	Sep-04	Oct 04	Nov 04	Dec 04	Jan 05	Feb 05	Mar 05	Apr 05	May 05	June 05	July 05	Aug 05
		to	to	to	to	to	to	to	to	to	to	to	to
		Oct 04	Nov 04	Dec 04	Jan 05	Feb 05	Mar 05	Apr 05	May 05	June 05	July 05	Aug 05	Sept 05
Crop Products	825.8	1.4	-1.2	-1.8	2.9	7.5	9.5	8.2	-7.9	-10.4	-5.3	0.0	2.1
Sugar cane	615.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other crop products	209.9	7.4	-5.7	-9.2	16.2	36.9	36.7	25.3	-21.0	-32.2	-21.8	-0.1	10.8
Root Crops	20.2	0.1	0.7	-0.4	-11.6	-7.1	-3.4	3.8	27.8	-3.7	8.0	0.0	-0.7
Fruits	28.8	-11.8	-4.2	4.0	8.0	0.9	-17.2	-1.4	-6.3	-1.8	1.6	15.2	10.2
Fresh vegetables	138.0	16.7	-8.5	-16.9	30.7	62.5	55.3	31.2	-25.9	-40.2	-32.8	-2.8	16.3
Flowers, ornamental plants	11.5	5.2	-2.9	0.7	2.8	4.4	-3.9	2.8	-1.4	-1.5	0.9	-2.3	-0.4
Tea	7.3	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	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Animals & Animal Products	174.2	-2.9	0.9	1.1	-0.5	0.1	0.5	0.1	0.6	0.5	-0.9	-1.2	-0.1
Cattle	2.2	0.0	0.0	0.0	5.5	0.0	2.6	1.2	0.0	1.7	3.2	0.0	0.0
Pigs	4.6	-24.3	0.0	0.0	0.0	0.0	5.4	0.0	0.0	0.0	9.8	0.0	0.0
Goat	1.3	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Deer	5.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	3.1	0.0	0.0	0.0
Poultry	111.3	-0.8	0.0	0.0	-1.3	0.0	0.0	0.4	0.0	0.0	-2.7	-1.8	0.0
Eggs	45.2	-7.6	3.5	4.2	0.8	0.4	1.5	-0.6	2.0	1.7	2.0	-0.2	-0.4
Milk	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Overall Change	1000.0	0.7	-0.8	-1.3	2.4	6.2	8.0	7.0	-6.7	-8.7	-4.6	-0.2	1.7

## Monthly Producer Price Index -Agriculture (PPI-A) (Base period: Year 2002=100)

Table 3: Percentage changes from corresponding month of previous year by commodity groups and products, Oct 2004 - Sept 2005

						Per	centage o	changes f	from				
Commodity Group	Weight	Oct 03	Nov 03	Dec 03	Jan 04	Feb 04	Mar 04	Apr 04	May 04	Jun 04	Jul 04	Aug 04	Sept 04
commonly Group	,, e.g	to	to	to	to	to	to	to	to	to	to	to	to
		Oct 04	Nov 04	Dec 04	Jan 05	Feb 05	Mar 05	Apr 05	May 05	Jun 05	Jul 05	Aug 05	Sept 05
Crop Products	825.8	6.1	2.3	1.6	-1.7	5.9	11.6	20.0	14.6	6.3	-1.7	-0.9	3.1
Sugar cane	615.9	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	0.0	0.0	0.0
Other crop products	209.9	5.7	-11.0	-15.3	-23.8	4.6	25.0	52.9	37.7	6.6	-8.1	-4.2	16.3
Root Crops	20.2	6.2	5.9	5.5	1.3	12.8	2.3	2.2	22.2	7.4	8.8	8.7	9.0
Fruits	28.8	-17.2	-19.9	-8.3	-15.3	-5.4	-11.5	-14.1	-14.5	-22.5	-32.0	-12.2	-7.4
Fresh vegetables	138.0	12.8	-15.7	-25.9	-32.8	5.5	34.2	71.4	51.4	12.5	-8.0	-6.4	29.2
Flowers, ornamental plants	11.5	10.4	14.2	11.6	4.8	11.7	7.3	10.5	10.8	8.5	11.1	6.5	4.3
Tea	7.3	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	4.1	9.4	9.4	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Animals & Animal Products	174.2	11.4	11.3	9.8	7.3	3.0	2.1	-0.3	0.4	0.5	-1.7	-2.8	-1.8
Cattle	2.2	0.0	0.0	0.0	5.5	5.5	8.2	9.5	9.5	11.4	15.0	15.0	15.0
Pigs	4.6	-29.9	-29.9	-29.9	-27.9	-27.9	-24.0	-21.7	-21.7	-21.7	-17.6	-12.4	-12.4
Goat	1.3	0.0	0.0	0.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Deer	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	4.5	4.5	4.5	4.5
Poultry	111.3	10.1	10.1	10.1	8.2	4.5	2.7	-0.4	-0.4	-0.6	-4.4	-6.1	-6.1
Eggs	45.2	22.2	21.5	14.7	9.1	2.4	2.7	0.8	3.0	3.6	3.7	3.6	7.1
Milk	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Overall Change	1000.0	7.0	3.8	2.9	-0.3	5.4	10.1	16.6	12.2	5.3	-1.7	-1.2	2.2

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

(Base period:Year 2002=100)

Table 4: Quarterly indices 1 by commodity groups and products, 4th Quarter 2003 - 3rd Quarter 2005

Commodity Chaup	Weight	2003		20	04			2005	
Commodity Group	Weight	4th Qr	1st Qr	2nd Qr	3rd Qr	4th Qr	1st Qr	2nd Qr	3rd Qr
Crop Products	825.8	107.6	116.0	115.4	112.9	111.3	121.0	130.7	113.2
Sugar cane	615.9	113.2	113.2	113.2	120.2 <sup>2</sup>	120.2 <sup>2</sup>	120.2 <sup>2</sup>	120.2 <sup>2</sup>	120.2 <sup>3</sup>
Other crop products	209.9	91.1	124.4	121.9	91.4	85.4	123.5	161.6	92.5
Root Crops	20.2	110.8	97.4	107.7	117.5	117.2	$100.6^{\ 2}$	$117.0^{\ 2}$	127.9
Fruits	28.8	107.3	113.2	96.4	108.1	93.3	99.3	79.8	90.1
Fresh vegetables	138.0	82.4	132.7	131.1	80.8	74.2	$133.0^{\ 2}$	192.5 <sup>2</sup>	83.9
Flowers, ornamental plants	11.5	110.5	119.3	117.2	117.6	123.8	$128.7^{\ 2}$	$128.9^{\ 2}$	126.1 <sup>3</sup>
Tea	7.3	99.3	99.3	99.3	99.3 <sup>3</sup>				
Tobacco	4.1	106.3	116.3	116.3	116.3	116.3	116.3 <sup>3</sup>	116.3 <sup>3</sup>	116.3 <sup>3</sup>
Animals & Animal Products	174.2	100.5	107.8	113.2	114.4	111.3	112.2	113.4	112.0
Cattle	2.2	100.0	100.0	100.0	100.0	100.0	106.4	110.1	115.0
Pigs	4.6	77.2	75.0	72.8	73.0	54.1	55.1	57.0	62.6
Goat	1.3	100.0	100.0	100.0	100.0	100.0	105.0	105.0	105.0
Deer	5.8	104.3	104.3	104.1	103.6	104.3	104.3	105.9	108.3
Poultry	111.3	103.1	106.6	113.0	114.4	113.5	112.0	112.4	108.1
Eggs	45.2	95.7	115.2	120.5	122.0	114.1	120.5	123.5	127.8
Milk	3.8	105.6	105.6	105.6	105.6	105.6	105.6	105.6	105.6
Overall Index	1000.0	106.4	114.6	115.0	113.2	111.3	119.5	127.7	113.0

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

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<sup>&</sup>lt;sup>2</sup> Revised

<sup>&</sup>lt;sup>3</sup> Provisional

## Quarterly Producer Price Index -Agriculture (PPI-A) (Base period: Year 2002=100)

Table 5: Quarterly changes (%) and Net Contributions of commodity groups and products to the change, 3rd Quarter 2004 - 3rd Quarter 2005

G	Wainh4	Percenta	Percentage changes from previous quarter				onding qu	changes f uarter of ear		Net contributions from				
Commodity Group	Weight	3rd Qr 04 to	4th Qr 04 to	1st Qr 05 to	2nd Qr 05 to	4th Qr 03 to	1st Qr 04 to	2nd Qr 04 to	3rd Qr 04 to	3rd Qr 04 to	4th Qr 04	1st Qr 05 to	2nd Qr 05 to	
		4th Qr 04	1st Qr 05	2nd Qr 05	3rd Qr 05	4th Qr 04	1st Qr 05	2nd Qr 05	3rd Qr 05	4th Qr 04	1st Qr 05	2nd Qr 05	3rd Qr 05	
Crop Products	825.8	-1.4	8.7	8.0	-13.4	3.4	4.3	13.3	0.3	-1.32	8.01	8.01	-14.45	
Sugar cane	615.9	0.0	0.0	0.0	0.0	6.2	6.2	6.2	0.0	0.00	0.00	0.00	0.00	
Other crop products	209.9	-6.6	44.6	30.9	-42.8	-6.3	-0.7	32.6	1.2	-1.28	8.00	7.98	-14.50	
Root Crops	20.2	-0.3	-14.2	16.3	9.3	5.8	3.3	8.6	8.9	-0.01	-0.34	0.33	0.22	
Fruits	28.8	-13.7	6.4	-19.6	12.9	-13.0	-12.3	-17.2	-16.7	-0.43	0.17	-0.56	0.30	
Fresh vegetables	138.0	-8.2	79.2	44.7	-56.4	-10.0	0.2	46.8	3.8	-0.91	8.11	8.21	-14.99	
Flowers, ornamental plants	11.5	5.3	4.0	0.2	-2.2	12.0	7.9	10.0	7.2	0.07	0.06	0.00	-0.03	
Tea	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
Tobacco	4.1	0.0	0.0	0.0	0.0	9.4	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
Animals & Animal Products	174.2	-2.7	0.8	1.1	-1.2	10.7	4.1	0.2	-2.1	-0.55	0.14	0.21	-0.24	
Cattle	2.2	0.0	6.4	3.5	4.5	0.0	6.4	10.1	15.0	0.00	0.01	0.01	0.01	
Pigs	4.6	-25.9	1.8	3.4	9.8	-29.9	-26.5	-21.7	-14.2	-0.09	0.00	0.01	0.03	
Goat	1.3	0.0	5.0	0.0	0.0	0.0	5.0	5.0	5.0	0.00	0.01	0.00	0.00	
Deer	5.8	0.7	0.0	1.5	2.3	0.0	0.0	1.7	4.5	0.00	0.00	0.01	0.01	
Poultry	111.3	-0.8	-1.3	0.4	-3.8	10.1	5.1	-0.5	-5.5	-0.10	-0.17	0.04	-0.48	
Eggs	45.2	-6.5	5.6	2.5	3.5	19.2	4.6	2.5	4.8	-0.36	0.29	0.14	0.19	
Milk	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
Overall Index	1000.0	-1.7	7.4	6.9	-11.5	4.6	4.3	11.0	-0.2	-1.87	8.15	8.22	-14.69	

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

(Base period:Year 2002=100)

Table 6: Annual indices, Annual changes (%) and Net contributions of commodity groups and products to the change, 2002 - 2004

Commodity Group	Weight		Annual index <sup>1</sup>		Percentage C	hanges from	Net Contrib	utions from
Commonly Group	VVeight	2002	2003	2004	2002 to 2003	2003 to 2004	2002 to 2003	2003 to 2004
<b>Crop Products</b>	825.8	100.0	108.0	113.1	8.0	4.7	6.64	4.21
Sugar cane	615.9	100.0	108.9	116.7 <sup>2</sup>	8.9	1.1	5.48	4.80
Other crop products	209.9	100.0	105.5	102.6	5.5	-2.7	1.16	-0.59
Root Crops	20.2	100.0	104.8	116.1	4.8	10.8	0.10	0.23
Fruits	28.8	100.0	98.8	101.7	-1.2	2.9	-0.03	0.08
Fresh vegetables	138.0	100.0	107.2	99.2	7.2	-7.5	0.99	-1.10
Flowers, ornamental plants	11.5	100.0	105.8	119.5	5.8	12.9	0.07	0.16
Tea	7.3	100.0	99.7	99.3	-0.3	-0.4	0.00	0.00
Tobacco	4.1	100.0	106.3	116.3	6.3	9.4	0.03	0.04
Animals & Animal Products	174.2	100.0	101.5	111.6	1.5	10.0	0.27	1.74
Cattle	2.2	100.0	100.0	100.0	0.0	0.0	0.00	0.00
Pigs	4.6	100.0	87.9	63.4	-12.1	-27.9	-0.06	-0.11
Goat	1.3	100.0	100.0	100.0	0.0	0.0	0.00	0.00
Deer	5.8	100.0	103.3	104.1	3.3	0.8	0.02	0.00
Poultry	111.3	100.0	102.3	111.9	2.3	9.4	0.26	1.07
Eggs	45.2	100.0	100.7	118.0	0.7	17.2	0.03	0.78
Milk	3.8	100.0	104.7	105.6	4.7	0.9	0.02	0.00
Overall Index	1,000.0	100.0	106.9	112.8	6.9	5.5	6.91	5.95

<sup>&</sup>lt;sup>1</sup> using data for base period as weights, and not a simple average of the monthly indices <sup>2</sup> Revised

### **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 2001, 2002 and 2003 by the average of unit prices in 2002, 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.

## Coverage

The bulk of the products in agriculture, with the exception of forestry, fishing and agricultural services, is taken into account in the producer price index. Thus, about 83% of the total value of agricultural production is covered.

### 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 crop plantations tend to be very dynamic among planters. Hence, in lieu of the farm-gate price, the wholesale price of the produce is recorded at the two main 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 sugar cane, 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:

$$I_{t} = \sum_{i} W_{i}(P_{ti}/P_{oi}) \times 100$$

$$\sum_{i} W_{i}$$

where:

 $\mathbf{I_t}$  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 (2002)

W<sub>i</sub> is the weight associated with commodity i