

Producer Price Index – Agriculture (PPI-A)

Second quarter 2016

(Base period year 2013 = 100)

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.

In order to reflect changes in the production pattern of agricultural products, a new set of weights has been worked out with 2013 as base period, the previous one being 2007. The weights for the PPI-A have been worked out based on the results of the Census of Agriculture conducted in 2014. Table A.1 shows the previous and the new sets of weights. Monthly weights by commodity group and product are given in Table 12.

This issue of the Economic and Social Indicators presents PPI-A indices for the months of April, May and June 2016 as well as those for the period January 2013 to March 2016, based on the new weighting pattern and base period.

Table 10 presents the monthly indices as well as the quarterly and yearly average for the agricultural sector. Comparative monthly indices for the agricultural sector are given in Table 11.

The methodology for the computation of PPI-A as well as the revision of the weights from base 2007 to that of 2013 are given in the annex of this publication.

2. Changes in production pattern (weights) from 2007 to 2013

The changes in the weights from 2007 to 2013 as well as main explanations for the changes are as follows:

The weight of "Crop products" has decreased from 755.9 in 2007 to 611.6 in 2013 while that of "Animals and animal products" has increased from 244.1 to 388.4. In the sub-group "Crop products" the decrease in weight is mainly attributable to a decrease in the weight of "Sugar cane" from 570.5 in 2007 to 356.8 in 2013, partly offset by increases in the weights of "Fresh vegetables" from 115.1 to 134.2 and that of "Fruits and nuts" from 20.3 to 64.0. Regarding the sub-group "Animals and animal products" the rise in the weight is mainly due to increases in the weights of poultry from 174.2 in 2007 to 267.1 in 2013 and that of eggs from 55.0 to 66.3 (Table A.1).

3. Producer Price Index - Agriculture: Second Quarter 2016

3.1 Structure of PPI-A (Base period: 2013=100)

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 35.7% and 58.3% of the respective weights.

3.2 Changes in the monthly index

Fig 1: Overall monthly indices, July 2015 – June 2016

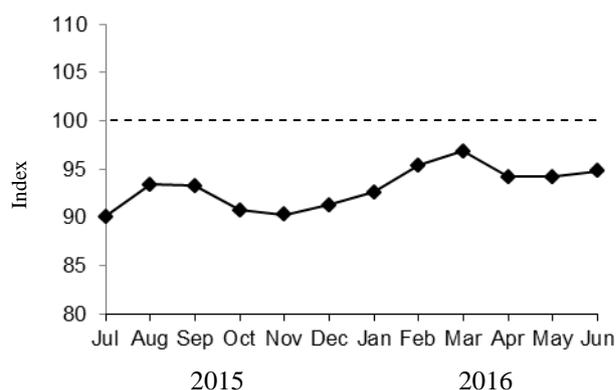


Figure 1 shows the monthly evolution of PPI-A for the period July 2015 to June 2016.

PPI-A, which was 96.9 in March 2016 went down by 2.2% to reach 94.8 in June 2016. The index dropped by 2.8% in April, remained unchanged in May and went up by 0.6% in June.

The index for the sub-group "Crop products", which carries 61.2% of the total weight, decreased by 4.8% and 1.0% in April and May respectively and increased by 0.1% in June.

3.2.1 Sugar cane

The index for "Sugar cane" for the period July 2015 to June 2016 was 83.2 based on the final price of sugar for the 2015 crop. This represents an increase of 3.7% over the 2014 crop. It is assumed that the same price prevails during the whole of the crop year.

3.2.2 Other crop products

The index for "Other crop products" went down by 8.3% in April, mainly due to the combined effects of

a decrease of 20.0% in the prices of fresh vegetables (tomato, creepers and beans) and an increase of 13.5% in the prices of fruits and nuts.

In May, the index went down by 1.8% mainly due to the combined effects of a decrease of 5.6% in the prices of fresh vegetables (tomato and carrot) and an increase of 8.3% in the prices of fruits and nuts.

In June, the index increased by 0.2% mainly due to an increase of 18.0% in the prices of fruits and nuts, partly offset by a decrease of 9.5% in the prices of fresh vegetables (tomato, carrot and other fresh vegetables).

3.2.3 Animals and animal products

The index for the sub-group "Animals and animal products" went up by 0.2% in April, mainly due to the combined effects of an increase in the prices of cattle (+1.9%) and a decrease in the prices of eggs (-0.2%).

In May, the index rose by 1.4% due to increases in the prices of poultry (+1.7%) and eggs (+1.2%).

In June, the index increased by 1.3% due to an increase in the prices of eggs (+8.4%), partly offset by lower prices of pigs (-5.5%).

More details of changes on a month-to-month basis are given in Table 5 and changes over the corresponding month of the previous year in Table 6.

3.3 Changes in the quarterly index

Fig 2: Overall quarterly indices, 3rd quarter 2014 – 2nd quarter 2016

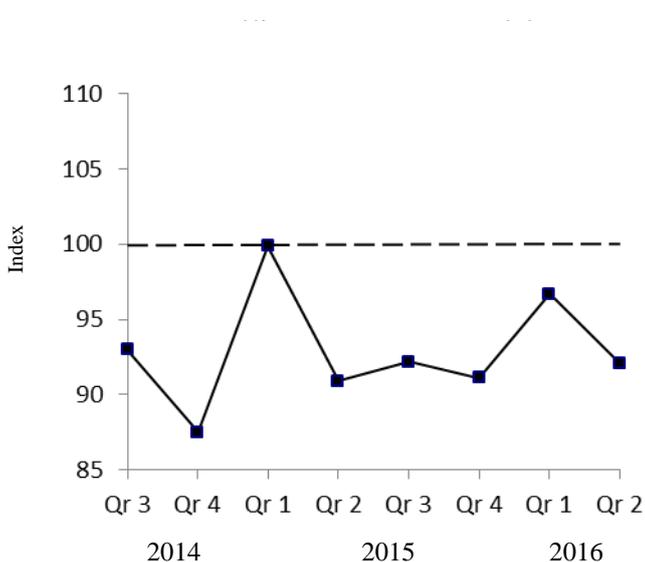


Figure 2 and Table 7 show the movement of PPI-A covering the periods 2014, 2015 and 2016 on a quarterly basis.

The overall index for the second quarter of 2016 went down by 4.8% compared to the previous quarter and rose by 1.3% compared to the corresponding quarter of 2015. Percentage changes on a quarterly basis and the net contributions of commodity groups and products are given in Table 8.

3.4 Changes in the yearly index

Average prices which producers received from the sale of agricultural products in the year 2015 were 2.8% lower compared to the previous year. The annual indices for the years 2013, 2014 and 2015, annual changes and the net contributions of commodity groups and products to the change are presented in Table 9.

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Monthly Producer Price Index -Agriculture (PPI-A)
(Base period:Year 2013 =100)

Table 1 : Monthly indices by commodity group and product, January 2016 - June 2016

Commodity Group	Weight	2016					
		January	February	March	April	May	June
Crop Products	611.6	87.7	92.8	94.6	90.1	89.2	89.3
Sugar Cane	356.8	83.2¹	83.2¹	83.2¹	83.2	83.2	83.2
Other crops products	254.8	89.9	100.5	103.0	94.5	92.8	93.0
Fresh Vegetables²	134.2	87.3	116.0	129.8	103.9	98.1	88.8
Beans	4.6	65.8	151.6	163.6	87.9	90.6	103.1
Brinjal	6.0	68.4	69.9	90.8	77.1	110.8	93.6
Cabbage	5.9	118.5	138.5	170.1	130.5	120.0	75.1
Cauliflower	2.9	90.9	90.9	90.9	110.6	110.6	95.4
Carrot	8.8	60.1	92.7	178.3	159.4	77.3	38.5
Onion	12.3	...	...	...	104.9	104.9	104.9
Tomato	37.3	120.4	189.2	230.8	148.8	103.4	93.5
Creepers	30.0	78.4	94.3	97.5	81.6	88.3	93.4
Other fresh vegetables	26.4	78.2	100.4	70.6	96.0	103.9	90.1
Fruit and nuts²	64.0	101.5	93.4	77.6	88.1	95.4	112.6
Banana	10.1	105.9	105.9	105.9	105.9	105.9	105.9
Pineapple	20.4	62.9	70.4	65.5	74.6	76.4	71.4
Other fruits	33.5	137.7	168.8	...	177.2	177.3	160.8
Oilseeds and oleaginous fruits²	3.4	106.5	106.2	101.2	111.5	108.5	111.8
Groundnut	2.3	94.8	93.7	93.6	103.7	99.1	98.6
Coconut	1.1	160.0	160.0	160.0	160.0	160.0	160.0
Edible roots and tubers²	35.7	98.2	94.6	101.3	101.5	95.0	99.7
Potato	29.0	101.2	...	...	...	...	101.2
Other Root crops	6.7	93.2	94.6	101.3	101.5	95.0	97.9
Stimulant & spice²	9.6	110.5	104.1	104.1	105.6	107.9	109.9
Tea ³	7.5	104.1	104.1	104.1	104.1	104.1	104.1
Ginger	2.1	224.9	260.3	239.7	225.4	221.8	178.6
Flowers, ornamental plants	7.9	102.4	102.4	102.4	102.4	102.4	102.4
Anthurium	2.4	84.2	84.2	84.2	84.2	84.2	84.2
Rose	0.9	90.0	90.0	90.0	90.0	90.0	90.0
Other flowers	4.6	114.3	114.3	114.3	114.3	114.3	114.3
Animals & Animal Products	388.4	100.2	99.5	100.5	100.7	102.1	103.4
Cattle	25.2	109.7	109.7	109.7	111.8	111.8	111.8
Pigs	11.5	64.9	64.9	64.9	64.9	64.9	61.3
Goat	3.4	110.8	110.8	110.8	112.0	112.0	112.0
Deer	6.9	99.3	99.3	99.3	99.3	99.3	99.3
Poultry	267.1	101.6	101.6	101.6	101.6	103.3	103.3
Eggs	66.3	96.6	92.4	98.6	98.4	99.6	108.0
Milk	8.0	102.4	102.4	102.4	102.4	102.4	102.4
Overall Index	1,000.0	92.6	95.4	96.9	94.2	94.2	94.8

¹ Revised

² The indices are computed based on the method of variable baskets with fixed monthly weights in the base year as explained at paragraph 12 of Annex. The composition of these baskets is shown in Table 12.

³ Provisional ... Not applicable

Monthly Producer Price Index -Agriculture (PPI-A)

(Base period:Year 2013 =100)

Table 2 : Monthly indices by commodity group and product, January 2015 - December 2015

Commodity Group	Weight	2015											
		January	February	March	April	May	June	July	August	September	October	November	December
Crop Products	611.6	98.9	97.6	103.7	91.3	77.8	82.6	82.8	88.2	88.0	84.6	84.7	85.3
Sugar Cane	356.8	80.2	80.2	80.2	80.2	80.2	80.2	83.2 ¹	83.2^{1}	83.2^{1}	83.2^{1}	83.2^{1}	83.2^{1}
Other crops products	254.8	118.3	114.3	127.1	100.1	70.9	82.6	79.2	91.0	91.0	84.6	84.6	85.6
Fresh Vegetables ²	134.2	145.9	140.1	173.5	114.9	58.8	61.1	65.2	91.4	93.5	81.7	72.8	72.0
Beans	4.6	234.4	165.1	194.2	123.6	42.1	44.7	74.5	107.3	53.0	46.0	64.6	70.6
Brinjal	6.0	135.2	119.3	200.2	128.2	95.2	92.2	99.8	97.1	86.5	70.7	69.7	71.9
Cabbage	5.9	133.1	286.9	267.0	198.1	54.9	50.4	50.8	75.2	92.2	60.8	62.1	84.1
Cauliflower	2.9	63.0	63.0	65.5	65.5	124.1	83.2	82.6	91.2	98.2	87.1	92.4	91.0
Carrot	8.8	243.5	260.0	215.1	208.2	75.9	49.3	42.6	39.5	53.2	45.8	52.9	63.3
Onion	12.3	...	...	...	104.9	104.9	104.9	104.9	104.9	104.9	104.9	104.9	104.9
Tomato	37.3	205.7	277.6	209.1	195.4	51.1	49.3	69.2	110.6	103.9	55.5	42.6	49.9
Creepers	30.0	120.6	114.2	150.2	102.8	64.0	65.9	78.4	92.7	96.5	73.2	67.0	69.6
Other fresh vegetables	26.4	109.8	57.8	146.3	67.3	48.9	65.1	49.2	87.9	93.5	96.8	83.5	82.2
Fruits and nuts ²	64.0	101.5	104.7	87.5	92.2	94.3	124.9	99.1	94.3	86.2	81.0	99.7	110.3
Banana	10.1	99.8	99.8	99.8	98.5	98.5	98.5	102.2	105.9	105.9	105.9	105.9	105.9
Pineapple	20.4	77.4	101.9	82.2	82.6	69.4	67.1	66.9	89.6	78.7	67.0	72.3	77.1
Other fruits	33.5	126.1	125.8	...	191.6	224.5	200.9	200.9	...	...	117.1	135.7	126.4
Oilseeds and oleaginous fruits ²	3.4	89.1	88.2	120.3	105.6	96.2	100.0	102.9	113.5	124.4	109.4	116.8	115.0
Groundnut	2.3	73.5	71.8	115.2	96.8	84.3	83.5	92.1	101.5	104.2	97.1	108.2	106.6
Coconut	1.1	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0
Edible roots and tubers ²	35.7	101.6	97.3	104.6	103.5	80.8	98.2	101.3	100.8	100.8	100.5	100.4	99.4
Potato	29.0	101.2	...	...	...	...	101.2	101.2	101.2	101.2	101.2	101.2	101.2
Other Root crops	6.7	102.2	97.3	104.6	103.5	80.8	94.4	101.7	97.4	95.0	87.2	84.9	86.9
Stimulant & spice ²	9.6	104.1	104.1	104.1	104.1	104.1	104.1						
Tea	7.5	104.1	104.1	104.1	104.1	104.1	104.1	104.1	104.1	104.1	104.1	104.1	104.1
Ginger	2.1	276.4	276.0	288.2	247.8	210.7	196.2	152.9	167.2	151.8	136.3	152.5	192.5
Flowers, ornamental plants	7.9	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4
Anthurium	2.4	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
Rose	0.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
Other flowers	4.6	114.3	114.3	114.3	114.3	114.3	114.3	114.3	114.3	114.3	114.3	114.3	114.3
Animals & Animal Products	388.4	100.9	99.2	99.9	101.0	101.6	101.8	101.7	101.6	101.7	100.5	99.1	100.7
Cattle	25.2	104.3	104.3	104.3	105.4	105.4	105.4	106.4	106.4	106.4	107.5	107.5	107.5
Pigs	11.5	94.6	94.6	94.6	86.5	86.5	86.5	86.5	86.5	86.5	86.5	82.1	82.1
Goat	3.4	107.6	107.6	107.6	108.7	108.7	108.7	110.9	110.9	110.9	109.7	109.7	109.7
Deer	6.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
Poultry	267.1	100.5	98.2	99.3	100.5	100.5	100.5	99.9	99.9	99.9	98.8	98.8	101.6
Eggs	66.3	102.0	101.2	100.4	103.4	107.0	108.1	109.0	108.8	109.2	106.7	99.2	97.3
Milk	8.0	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4
Overall Index	1,000.0	99.7	98.2	102.2	95.1	87.0	90.1	90.1	93.4	93.3	90.8	90.3	91.3

¹ Revised

... Not applicable

² The indices are computed based on the method of variable baskets with fixed monthly weights in the base year as explained at paragraph 12 of Annex. The composition of these baskets is shown in Table 12.

³ Provisional

Monthly Producer Price Index -Agriculture (PPI-A)

(Base period:Year 2013 =100)

Table 3 : Monthly indices by commodity group and product, January 2014 - December 2014

Commodity Group	Weight	2014											
		January	February	March	April	May	June	July	August	September	October	November	December
Crop Products	611.6	106.0	111.5	101.8	103.2	98.5	99.3	87.5	91.2	84.3	78.4	80.4	80.0
Sugar Cane	356.8	100.0	100.0	100.0	100.0	100.0	100.0	80.2	80.2	80.2	80.2	80.2	80.2
Other crops products	254.8	109.4	120.4	97.8	102.6	91.9	93.4	93.9	101.3	86.6	74.4	78.6	77.1
Fresh Vegetables ¹	134.2	111.9	139.3	109.1	102.2	89.3	88.4	94.0	113.8	87.1	67.9	70.2	66.4
Beans	4.6	182.3	154.5	147.4	103.0	65.9	75.4	107.0	122.7	104.4	48.6	56.8	105.5
Brinjal	6.0	117.7	59.2	93.1	119.8	98.2	131.2	125.2	171.6	96.3	37.9	83.2	23.1
Cabbage	5.9	65.5	78.3	90.3	99.4	135.9	122.4	122.9	125.5	83.2	48.7	53.9	43.5
Cauliflower	2.9	119.4	120.6	120.6	120.6	103.8	97.1	75.4	84.0	86.3	63.0	63.0	65.5
Carrot	8.8	173.5	235.8	170.6	157.4	94.3	62.8	36.7	74.9	35.4	43.5	72.2	99.8
Onion	12.3	...	...	...	104.9	104.9	104.9	104.9	104.9	104.9	104.9	104.9	104.9
Tomato	37.3	101.7	211.7	186.1	152.7	59.4	90.2	65.4	78.2	43.3	21.7	34.1	47.3
Creepers	30.0	117.4	127.9	79.1	62.7	88.4	90.2	104.6	134.2	113.1	64.7	71.5	73.6
Other fresh vegetables	26.4	99.2	108.0	70.4	103.0	102.3	75.9	111.6	157.4	122.1	78.4	73.3	65.9
Fruits and nuts ¹	64.0	130.7	121.2	101.1	125.8	109.0	116.6	101.0	94.1	78.4	63.7	78.9	89.8
Banana	10.1	96.1	97.3	97.3	94.8	88.7	88.7	95.2	95.2	95.2	96.1	95.2	95.2
Pineapple	20.4	84.9	107.2	102.7	133.6	106.3	93.2	83.8	93.6	72.0	42.3	48.4	41.8
Other fruits	33.5	189.8	224.5	...	188.7	171.7	156.0	165.5	...	...	135.1	114.0	110.9
Oilseeds and oleaginous fruits ¹	3.4	89.1	88.8	77.9	90.9	92.1	91.8	95.3	95.9	99.7	100.9	95.3	81.5
Groundnut	2.3	86.8	86.2	75.3	89.3	90.6	89.5	94.3	94.7	99.7	91.7	86.2	70.4
Coconut	1.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	140.0	140.0	140.0
Edible roots and tubers ¹	35.7	103.8	111.8	95.6	100.8	98.4	100.8	101.8	102.0	101.7	100.3	100.5	98.9
Potato	29.0	100.0	...	...	...	...	101.2	101.2	101.2	101.2	101.2	101.2	101.2
Other Root crops	6.7	110.1	111.8	95.6	100.8	98.4	100.4	106.9	109.4	108.7	83.5	86.0	83.4
Stimulant & spice ¹	9.6	101.4	100.0	100.0	101.1	102.0	103.0	110.1	115.4	153.1	146.8	144.2	107.3
Tea	7.5	100.0	100.0	100.0	100.0	100.0	100.0	104.1	104.1	104.1	104.1	104.1	104.1
Ginger	2.1	125.7	139.0	126.7	190.5	162.6	138.9	133.4	140.6	198.1	198.3	212.2	229.0
Flowers, ornamental plants	7.9	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4
Anthurium	2.4	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
Rose	0.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
Other flowers	4.6	114.3	114.3	114.3	114.3	114.3	114.3	114.3	114.3	114.3	114.3	114.3	114.3
Animals & Animal Products	388.4	100.1	100.1	99.6	100.6	101.3	101.6	101.7	101.4	101.1	98.2	99.0	100.6
Cattle	25.2	102.0	102.0	102.0	103.3	103.3	103.3	103.3	103.3	103.3	104.3	104.3	104.3
Pigs	11.5	100.1	97.7	92.4	92.4	92.4	92.4	92.4	92.4	91.7	94.6	94.6	94.6
Goat	3.4	106.2	106.2	106.2	105.2	105.2	105.2	103.4	103.4	103.4	105.5	105.5	105.5
Deer	6.9	100.1	100.1	100.1	100.1	100.1	100.1	99.3	99.3	99.3	99.3	99.3	99.3
Poultry	267.1	98.2	98.2	98.2	99.9	99.9	99.9	99.9	99.9	99.9	96.5	97.0	99.3
Eggs	66.3	106.7	107.3	104.8	103.8	107.6	109.6	109.6	108.0	106.5	102.2	104.7	105.2
Milk	8.0	100.0	100.0	100.0	100.0	100.0	100.0	102.4	102.4	102.4	102.4	102.4	102.4
Overall Index	1,000.0	103.7	107.1	100.9	102.2	99.6	100.2	93.0	95.2	90.8	86.1	87.6	88.0

¹ The indices are computed based on the method of variable baskets with fixed monthly weights in the base year as explained at paragraph 12 of Annex. The composition of these baskets is shown in Table 12.

... Not applicable

Monthly Producer Price Index -Agriculture (PPI-A)

(Base period: Year 2013 =100)

Table 4 : Monthly indices by commodity group and product, January 2013 - December 2013

Commodity Group	Weight	2013											
		January	February	March	April	May	June	July	August	September	October	November	December
Crop Products	611.6	100.8	100.7	99.1	100.1	102.0	101.3	100.2	100.2	100.1	99.1	98.7	97.8
Sugar Cane	356.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Other crops products	254.8	102.0	105.1	105.7	101.5	101.8	97.7	98.9	98.4	98.0	98.5	95.1	96.0
Fresh Vegetables ¹	134.2	104.4	104.4	98.9	101.9	110.4	106.5	101.1	100.9	100.6	96.1	94.2	88.6
Beans	4.6	100.0	100.1	100.0	100.0	100.3	100.3	100.0	99.4	100.0	101.4	99.8	99.5
Brinjal	6.0	100.0	105.0	110.0	100.0	100.0	95.0	95.0	95.0	95.0	100.0	105.0	97.5
Cabbage	5.9	105.0	105.0	105.0	97.2	98.7	97.2	99.5	101.6	101.6	97.2	95.2	97.2
Cauliflower	2.9	103.5	103.5	103.5	99.6	99.6	107.3	98.3	99.6	99.6	98.3	98.3	94.3
Carrot	8.8	100.0	100.0	100.1	100.1	100.3	98.9	99.4	100.0	100.0	100.3	100.0	99.9
Onion	12.3	...	...	...	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Tomato	37.3	107.4	104.5	104.5	101.5	100.0	89.5	95.5	100.0	100.0	101.5	101.5	95.5
Creepers	30.0	105.8	107.1	93.2	99.1	127.0	114.5	91.7	88.0	89.1	98.0	96.5	86.1
Other fresh vegetables	26.4	102.5	102.5	99.5	105.5	105.6	122.5	115.6	129.9	125.6	83.7	73.2	79.8
Fruits and nuts ¹	64.0	99.7	99.5	97.2	99.9	99.9	100.0	99.9	99.8	99.9	99.8	99.9	102.4
Banana	10.1	98.0	97.8	90.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	120.7
Pineapple	20.4	100.0	100.1	100.0	100.1	100.0	100.1	100.0	99.9	100.0	99.9	100.0	100.1
Other fruits	33.5	100.0	100.0	...	100.0	100.0	100.0	100.0	...	...	100.0	100.0	100.0
Oilseeds and oleaginous fruits ¹	3.4	100.0	100.0	100.3	101.2	100.3	100.0	100.3	99.7	99.7	100.3	100.0	100.3
Groundnut	2.3	100.0	100.0	100.2	101.3	100.2	100.0	100.4	99.8	99.6	100.2	100.0	100.2
Coconut	1.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Edible roots and tubers ¹	35.7	97.4	95.8	94.5	93.9	95.5	98.4	100.1	100.4	100.2	99.9	100.3	101.2
Potato	29.0	100.0	...	...	...	...	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Other Root crops	6.7	93.2	95.8	94.5	93.9	95.5	96.3	100.7	103.8	102.8	98.9	107.0	109.2
Stimulant & spice ¹	9.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Tea	7.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Ginger	2.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Flowers, ornamental plants	7.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Anthurium	2.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Rose	0.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Other flowers	4.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Animals & Animal Products	388.4	97.3	99.6	100.8	100.3	100.3	101.2	102.4	102.6	101.3	98.4	96.6	99.3
Cattle	25.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	101.0	101.0	101.0
Pigs	11.5	104.6	104.6	104.6	104.6	104.6	100.3	94.6	94.6	94.6	93.0	100.1	100.1
Goat	3.4	97.9	97.9	97.9	102.8	102.8	102.8	99.7	99.7	99.7	99.7	99.7	99.7
Deer	6.9	100.4	100.4	100.4	100.4	100.4	99.4	99.4	99.4	99.4	100.1	100.1	100.1
Poultry	267.1	97.8	100.1	100.1	100.9	100.9	100.9	102.7	102.7	102.7	98.8	94.8	97.6
Eggs	66.3	92.1	96.7	103.6	97.7	97.5	103.8	103.9	105.4	97.7	96.5	100.2	104.7
Milk	8.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Overall Index	1,000.0	99.4	100.3	99.8	100.2	101.3	101.3	101.1	101.1	100.6	98.8	97.9	98.4

¹ The indices are computed based on the method of variable baskets with fixed monthly weights in the base year as explained at paragraph 12 of Annex. The composition of these baskets is shown in Table 12.

... Not applicable

Monthly Producer Price Index -Agriculture (PPI-A)

(Base period:Year 2013=100)

Table 5 : Percentage changes from previous month by commodity group and product , July 2015 - June 2016

Commodity Group	Weight	Percentage changes from											
		Jun 15 to Jul 15	Jul 15 to Aug 15	Aug 15 to Sep 15	Sep 15 to Oct 15	Oct 15 to Nov 15	Nov 15 to Dec 15	Dec 15 to Jan 16	Jan 16 to Feb 16	Feb 16 to Mar 16	Mar 16 to Apr 16	Apr 16 to May 16	May 16 to Jun 16
Crop Products	611.6	0.2	6.5	-0.2	-3.9	0.1	0.7	2.8	5.8	1.9	-4.8	-1.0	0.1
Sugar Cane	356.8	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other crops products	254.8	-4.1	14.9	0.0	-7.0	0.0	1.2	5.0	11.8	2.5	-8.3	-1.8	0.2
Fresh Vegetables	134.2	6.7	40.2	2.3	-12.6	-10.9	-1.1	21.3	32.9	11.9	-20.0	-5.6	-9.5
Beans	4.6	66.7	44.0	-50.6	-13.2	40.4	9.3	-6.8	130.4	7.9	-46.3	3.1	13.8
Brinjal	6.0	8.2	-2.7	-10.9	-18.3	-1.4	3.2	-4.9	2.2	29.9	-15.1	43.7	-15.5
Cabbage	5.9	0.8	48.0	22.6	-34.1	2.1	35.4	40.9	16.9	22.8	-23.3	-8.0	-37.4
Cauliflower	2.9	-0.7	10.4	7.7	-11.3	6.1	-1.5	-0.1	0.0	0.0	21.7	0.0	-13.7
Carrot	8.8	-13.6	-7.3	34.7	-13.9	15.5	19.7	-5.1	54.2	92.3	-10.6	-51.5	-50.2
Onion	12.3	0.0	0.0	0.0	0.0	0.0	0.0	...	...	...	...	0.0	0.0
Tomato	37.3	40.4	59.8	-6.1	-46.6	-23.2	17.1	141.3	57.1	22.0	-35.5	-30.5	-9.6
Creepers	30.0	19.0	18.2	4.1	-24.1	-8.5	3.9	12.6	20.3	3.4	-16.3	8.2	5.8
Other fresh vegetables	26.4	-24.4	78.7	6.4	3.5	-13.7	-1.6	-4.9	28.4	-29.7	36.0	8.2	-13.3
Fruits and nuts	64.0	-20.7	-4.8	-8.6	-6.0	23.1	10.6	-8.0	-8.0	-16.9	13.5	8.3	18.0
Banana	10.1	3.8	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pineapple	20.4	-0.3	33.9	-12.2	-14.9	7.9	6.6	-18.4	11.9	-7.0	13.9	2.4	-6.5
Other fruits	33.5	0.0	...	...	...	15.9	-6.9	8.9	22.6	...	...	0.1	-9.3
Oilseeds and oleaginous fruits	3.4	2.9	10.3	9.6	-12.1	6.8	-1.5	-7.4	-0.3	-4.7	10.2	-2.7	3.0
Groundnut	2.3	10.3	10.2	2.7	-6.8	11.4	-1.5	-11.1	-1.2	-0.1	10.8	-4.4	-0.5
Coconut	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Edible roots and tubers	35.7	3.2	-0.5	0.0	-0.3	-0.1	-1.0	-1.2	-3.7	7.1	0.2	-6.4	4.9
Potato	29.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	...	...	...	...	...
Other Root crops	6.7	7.7	-4.2	-2.5	-8.2	-2.6	2.4	7.2	1.5	7.1	0.2	-6.4	3.1
Stimulant & spice	9.6	0.0	0.0	0.0	0.0	0.0	0.0	6.1	-5.8	0.0	1.4	2.2	1.9
Tea	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ginger	2.1	-22.1	9.4	-9.2	-10.2	11.9	26.2	16.8	15.7	-7.9	-6.0	-1.6	-19.5
Flowers, ornamental plants	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Anthurium	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rose	0.9	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 flowers	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Animals & Animal Products	388.4	-0.1	-0.1	0.1	-1.2	-1.4	1.6	-0.5	-0.7	1.0	0.2	1.4	1.3
Cattle	25.2	0.9	0.0	0.0	1.0	0.0	0.0	2.0	0.0	0.0	1.9	0.0	0.0
Pigs	11.5	0.0	0.0	0.0	0.0	-5.1	0.0	-21.0	0.0	0.0	0.0	0.0	-5.5
Goat	3.4	2.0	0.0	0.0	-1.1	0.0	0.0	1.0	0.0	0.0	1.1	0.0	0.0
Deer	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Poultry	267.1	-0.6	0.0	0.0	-1.1	0.0	2.8	0.0	0.0	0.0	0.0	1.7	0.0
Eggs	66.3	0.8	-0.2	0.4	-2.3	-7.0	-1.9	-0.7	-4.3	6.7	-0.2	1.2	8.4
Milk	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Overall Change	1,000.0	0.0	3.7	-0.1	-2.7	-0.6	1.1	1.4	3.0	1.6	-2.8	0.0	0.6

... Not applicable

Monthly Producer Price Index -Agriculture (PPI-A)

(Base period:Year 2013=100)

Table 6 : Percentage changes from corresponding month of previous year by commodity group and product , July 2015 - June 2016

Commodity Group	Weight	Percentage changes from											
		Jul 14 to Jul 15	Aug 14 to Aug 15	Sep 14 to Sep 15	Oct 14 to Oct 15	Nov 14 to Nov 15	Dec 14 to Dec 15	Jan 15 to Jan 16	Feb 15 to Feb 16	Mar 15 to Mar 16	Apr 15 to Apr 16	May 15 to May 16	Jun 15 to Jun 16
Crop Products	611.6	-5.4	-3.3	4.4	7.9	5.3	6.6	-11.3	-4.9	-8.8	-1.3	14.7	8.1
Sugar Cane	356.8	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
Other crops products	254.8	-15.7	-10.2	5.1	13.7	7.6	11.0	-24.0	-12.1	-19.0	-5.6	30.9	12.6
Fresh Vegetables	134.2	-30.6	-19.7	7.3	20.3	3.7	8.4	-40.2	-17.2	-25.2	-9.6	66.8	45.3
Beans	4.6	-30.4	-12.6	-49.2	-5.3	13.7	-33.1	-71.9	-8.2	-15.8	-28.9	115.2	130.6
Brinjal	6.0	-20.3	-43.4	-10.2	86.5	-16.2	211.3	-49.4	-41.4	-54.6	-39.9	16.4	1.5
Cabbage	5.9	-58.7	-40.1	10.8	24.8	15.2	93.3	-11.0	-51.7	-36.3	-34.1	118.6	49.0
Cauliflower	2.9	9.5	8.6	13.8	38.3	46.7	38.9	44.3	44.3	38.8	68.9	-10.9	14.7
Carrot	8.8	16.1	-47.3	50.3	5.3	-26.7	-36.6	-75.3	-64.3	-17.1	-23.4	1.8	-21.9
Onion	12.3	0.0	0.0	0.0	0.0	0.0	0.0	...	...	...	0.0	0.0	0.0
Tomato	37.3	5.8	41.4	140.0	155.8	24.9	5.5	-41.5	-31.8	10.4	-23.8	102.3	89.7
Creepers	30.0	-25.0	-30.9	-14.7	13.1	-6.3	-5.4	-35.0	-17.4	-35.1	-20.6	38.0	41.7
Other fresh vegetables	26.4	-55.9	-44.2	-23.4	23.5	13.9	24.7	-28.8	73.7	-51.7	42.6	112.5	38.4
Fruits and nuts	64.0	-1.9	0.2	9.9	27.2	26.4	22.8	0.0	-10.8	-11.3	-4.4	1.2	-9.8
Banana	10.1	7.4	11.2	11.2	10.2	11.2	11.2	6.1	6.1	6.1	7.5	7.5	7.5
Pineapple	20.4	-20.2	-4.3	9.3	58.4	49.4	84.4	-18.7	-30.9	-20.3	-9.7	10.1	6.4
Other fruits	33.5	21.4	...	...	-13.3	19.0	14.0	9.2	34.2	...	-7.5	-21.0	-20.0
Oilseeds and oleaginous fruits	3.4	8.0	18.4	24.8	8.4	22.6	41.1	19.5	20.4	-15.9	5.6	12.8	11.8
Groundnut	2.3	-2.3	7.2	4.5	5.9	25.5	51.4	29.0	30.5	-18.8	7.1	17.6	18.1
Coconut	1.1	60.0	60.0	60.0	14.3	14.3	14.3	0.0	0.0	0.0	0.0	0.0	0.0
Edible roots and tubers	35.7	-0.5	-1.2	-0.9	0.2	-0.1	0.5	-3.3	-2.8	-3.2	-1.9	17.6	1.5
Potato	29.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	...	...	...	...	0.0
Other Root crops	6.7	-4.9	-11.0	-12.6	4.4	-1.3	4.2	-8.8	-2.8	-3.2	-1.9	17.6	3.7
Stimulant & spice	9.6	-5.4	-9.8	-32.0	-29.1	-27.8	-3.0	6.1	0.0	0.0	1.4	3.7	5.6
Tea	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ginger	2.1	14.6	18.9	-23.4	-31.3	-28.1	-15.9	-18.6	-5.7	-16.8	-9.0	5.3	-9.0
Flowers, ornamental plants	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Anthurium	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rose	0.9	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 flowers	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Animals & Animal Products	388.4	0.0	0.2	0.6	2.3	0.1	0.1	-0.7	0.3	0.6	-0.3	0.5	1.6
Cattle	25.2	3.0	3.0	3.0	3.1	3.1	3.1	5.2	5.2	5.2	6.1	6.1	6.1
Pigs	11.5	-6.4	-6.4	-5.7	-8.6	-13.2	-13.2	-31.4	-31.4	-31.4	-25.0	-25.0	-29.1
Goat	3.4	7.3	7.3	7.3	4.0	4.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0
Deer	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Poultry	267.1	0.0	0.0	0.0	2.4	1.9	2.3	1.1	3.5	2.3	1.1	2.8	2.8
Eggs	66.3	-0.5	0.7	2.5	4.4	-5.3	-7.5	-5.3	-8.7	-1.8	-4.8	-6.9	-0.1
Milk	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Overall Change	1,000.0	-3.1	-1.9	2.8	5.5	3.1	3.8	-7.1	-2.9	-5.2	-0.9	8.3	5.2

... Not applicable

Quarterly Producer Price Index -Agriculture (PPI-A)
(Base period:Year 2013=100)

Table 7 : Quarterly indices ¹ by commodity group and product, 3rd Quarter 2014 - 2nd Quarter 2016

Commodity Group	Weight	2014		2015				2016	
		3 rd Qr	4 th Qr	1 st Qr	2 nd Qr	3 rd Qr	4 th Qr	1 st Qr	2 nd Qr
Crop Products	611.6	87.6	80.0	99.9	84.3	86.1	85.4	94.6	89.8
Sugar Cane	356.8	80.2	80.2	80.2	80.2	82.8 ²	82.8 ²	82.8 ²	82.8 ²
Other crops products	254.8	123.6	98.1	177.3	85.6	87.0	86.2	104.5	94.2
Fresh Vegetables ³	134.2	97.4	68.2	151.9	78.5	83.1	76.1	121.9	97.2
Beans	4.6	110.9	69.5	200.6	67.9	76.3	59.8	127.3	94.8
Brinjal	6.0	130.4	48.3	151.0	105.2	94.3	70.8	111.4	93.8
Cabbage	5.9	110.7	48.9	227.0	99.1	72.8	68.1	180.7	107.0
Cauliflower	2.9	81.7	63.6	63.7	93.1	90.2	89.7	83.8	102.7
Carrot	8.8	50.4	69.8	239.4	100.5	45.1	53.4	122.0	83.5
Onion	12.3	104.9	104.9	...	104.9	104.9	104.9	...	104.9
Tomato	37.3	61.5	33.5	229.1	93.2	95.3	49.4	168.3	113.2
Creepers	30.0	116.6	69.9	128.3	77.4	88.9	69.9	107.3	87.8
Other fresh vegetables	26.4	124.5	72.4	96.9	59.6	69.0	87.8	101.3	97.9
Fruits and nuts ³	64.0	91.6	80.5	98.9	106.2	93.5	100.4	95.6	100.3
Banana	10.1	95.2	95.5	99.8	98.5	104.7	105.9	103.9	105.9
Pineapple	20.4	82.9	44.4	86.9	73.3	78.5	71.9	71.6	74.2
Other fruits	33.5	165.5	112.9	126.0	204.1	200.9	128.5	143.2	164.6
Oilseeds and oleaginous fruits ³	3.4	97.2	93.2	97.1	100.1	114.4	113.4	110.1	110.7
Groundnut	2.3	96.2	83.3	84.7	87.2	99.2	103.6	100.2	100.1
Coconut	1.1	100.0	140.0	160.0	160.0	160.0	160.0	160.0	160.0
Edible roots and tubers ³	35.7	101.8	100.2	101.1	95.5	100.9	100.3	98.6	99.0
Potato	29.0	101.2	101.2	101.2	101.2	101.2	101.2	101.2	101.2
Other Root crops	6.7	108.3	84.2	101.1	92.7	98.3	86.4	97.2	98.0
Stimulant & spice ³	9.6	130.4	136.7	107.2	108.3	123.5	117.1	106.3	107.8
Tea	7.5	104.1	104.1	104.1	104.1	104.1 ⁴	104.1 ⁴	104.1 ⁴	104.1 ⁴
Ginger	2.1	174.4	204.5	276.4	205.0	155.8	144.0	224.9	194.3
Flowers, ornamental plants	7.9	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4
Anthurium	2.4	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
Rose	0.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
Other flowers	4.6	114.3	114.3	114.3	114.3	114.3	114.3	114.3	114.3
Animals & Animal Products	388.4	101.4	99.3	100.0	101.4	101.7	100.1	99.9	95.8
Cattle	25.2	103.3	104.3	104.3	105.4	106.4	107.5	107.9	110.0
Pigs	11.5	92.2	94.6	94.6	86.5	86.5	83.6	74.8	66.3
Goat	3.4	103.4	105.5	107.6	108.7	110.9	109.7	109.7	110.9
Deer	6.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
Poultry	267.1	99.9	97.6	99.3	100.5	99.9	99.7	100.8	93.7
Eggs	66.3	108.0	104.0	101.2	106.2	109.0	101.1	96.5	102.0
Milk	8.0	102.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4
Overall Index	1,000.0	93.0	87.5	99.9	90.9	92.2	91.1	96.7	92.1

¹ Using data for base period (2013) as weights

² Revised

³ The indices are computed based on the method of variable baskets with fixed monthly weights in the base year as explained at paragraph 12 of Annex. The composition of these baskets is shown in Table 12.

⁴ Provisional

... Not applicable

Quarterly Producer Price Index -Agriculture (PPI-A)

(Base period:Year 2013=100)

Table 8 : Quarterly changes (%) and net contributions of commodity group and product to the change, 2nd Quarter 2015 - 2nd Quarter 2016

Commodity Group	Weight	Percentage changes from previous quarter				Percentage changes from corresponding quarter of previous year				Net contributions from			
		2 nd Qr 15	3 rd Qr 15	4 th Qr 15	1 st Qr 16	3 rd Qr 14	4 th Qr 14	1 st Qr 15	2 nd Qr 15	2 nd Qr 15	3 rd Qr 15	4 th Qr 15	1 st Qr 16
		to 3 rd Qr 15	to 4 th Qr 15	to 1 st Qr 16	to 2 nd Qr 16	to 3 rd Qr 15	to 4 th Qr 15	to 1 st Qr 16	to 2 nd Qr 16	to 3 rd Qr 15	to 4 th Qr 15	to 1 st Qr 16	to 2 nd Qr 16
Crop Products	611.6	2.1	-0.8	10.8	-5.1	-1.7	6.8	-5.3	6.5	0.94	-4.46	8.42	-2.97
Sugar Cane	356.8	3.2	0.5	0.0	0.0	3.2	3.7	3.7	3.7	0.93	0.14	0.00	0.00
Other crops products	254.8	1.6	-0.9	21.2	-9.9	-29.6	-12.1	-41.1	10.0	0.02	-4.60	8.42	-2.97
Fresh Vegetables	134.2	5.9	-8.4	60.2	-20.3	-14.7	11.6	-19.7	23.8	-0.01	-1.96	7.72	-3.70
Beans	4.6	12.4	-21.6	112.9	-25.5	-31.2	-14.0	-36.5	39.6	0.04	-0.08	0.31	-0.15
Brinjal	6.0	-10.4	-24.9	57.3	-15.8	-27.7	46.6	-26.2	-10.8	-0.07	-0.14	0.24	-0.11
Cabbage	5.9	-26.5	-6.5	165.3	-40.8	-34.2	39.3	-20.4	8.0	-0.16	-0.03	0.66	-0.43
Cauliflower	2.9	-3.1	-0.6	-6.6	22.6	10.4	41.0	31.6	10.3	-0.01	0.00	-0.02	0.05
Carrot	8.8	-55.1	18.4	128.5	-31.6	-10.5	-23.5	-49.0	-16.9	-0.49	0.07	0.60	-0.34
Onion	12.3	0.0	0.0	...	...	0.0	0.0	...	0.0	0.00	0.00	0.00	0.00
Tomato	37.3	2.3	-48.2	240.7	-32.7	55.0	47.5	-26.5	21.5	0.08	-1.71	4.43	-2.06
Creepers	30.0	14.9	-21.4	53.5	-18.2	-23.8	0.0	-16.4	13.4	0.35	-0.57	1.12	-0.58
Other fresh vegetables	26.4	15.8	27.2	15.4	-3.4	-44.6	21.3	4.5	64.3	0.25	0.50	0.36	-0.09
Fruits and nuts	64.0	-12.0	7.4	-4.8	4.9	2.1	24.7	-3.3	-5.6	0.06	-2.55	0.47	0.79
Banana	10.1	6.3	1.1	-1.9	1.9	10.0	10.9	4.1	7.5	0.06	0.01	-0.02	0.02
Pineapple	20.4	7.1	-8.4	-0.4	3.6	-5.3	61.9	-17.6	1.2	0.11	-0.13	-0.01	0.05
Other fruits	33.5	-1.6	-36.0	11.4	14.9	21.4	13.8	13.7	-19.4	-0.11	-2.43	0.49	0.72
Oilseeds and oleaginous fruits	3.4	14.3	-0.9	-2.9	0.5	17.7	21.7	13.4	10.6	0.03	0.01	-0.01	0.00
Groundnut	2.3	13.8	4.4	-3.3	-0.1	3.1	24.4	18.3	14.8	0.03	0.01	-0.01	0.00
Coconut	1.1	0.0	0.0	0.0	0.0	60.0	14.3	0.0	0.0	0.00	0.00	0.00	0.00
Edible roots and tubers	35.7	5.7	-0.6	-1.7	0.4	-0.9	0.1	-2.5	3.7	0.04	-0.08	0.07	0.01
Potato	29.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Other Root crops	6.7	6.0	-12.1	12.5	0.8	-9.2	2.6	-3.9	5.7	0.04	-0.08	0.07	0.01
Stimulant & spice	9.6	14.0	-5.2	-9.2	1.4	-5.3	-14.3	-0.8	-0.5	-0.10	-0.02	0.17	-0.06
Tea	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Ginger	2.1	-24.0	-7.6	56.2	-13.6	-10.7	-29.6	-18.6	-5.2	-0.10	-0.02	0.17	-0.06
Flowers, ornamental plants	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Anthurium	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Rose	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Other flowers	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Animals & Animal Products	388.4	0.3	-1.6	-0.2	-4.1	0.3	0.8	-0.1	-5.5	0.06	-0.59	-0.10	-1.57
Cattle	25.2	0.9	1.0	0.4	1.9	3.0	3.1	3.5	4.4	0.03	0.03	0.01	0.05
Pigs	11.5	0.0	-3.4	-10.5	-11.4	-6.2	-11.6	-20.9	-23.4	0.00	-0.03	-0.10	-0.10
Goat	3.4	2.0	-1.1	0.0	1.1	7.3	4.0	2.0	2.0	0.01	0.00	0.00	0.00
Deer	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Poultry	267.1	-0.6	-0.2	1.1	-7.0	0.0	2.2	1.5	-6.8	-0.16	-0.05	0.29	-1.90
Eggs	66.3	2.6	-7.2	-4.5	5.7	0.9	-2.8	-4.6	-4.0	0.19	-0.52	-0.30	0.36
Milk	8.0	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	1,000.0	1.4	-1.2	6.1	-4.8	-0.9	4.1	-3.2	1.3	1.00	-5.05	8.32	-4.55

... Not applicable

Annual Producer Price Index -Agriculture (PPI-A)
(Base period:Year 2013=100)

Table 9 : Annual indices, annual changes (%) and net contributions of commodity group and product to the change, 2013 - 2015

Commodity Group	Weight	Annual index ¹			Percentage changes from		Net contributions from	
		2013	2014	2015	2013 to 2014	2014 to 2015	2013 to 2014	2014 to 2015
Crop Products	611.6	100.0	92.9	88.4	-7.1	-4.8	-3.53	-2.22
Sugar Cane	356.8	100.0	90.1	81.7²	-9.9	-9.3	-3.53	-3.00
Other crops products	254.8	100.0	93.1	93.8	-6.9	0.8	0.00	0.77
Fresh Vegetables³	134.2	100.0	91.9	94.3	-8.1	2.6	-1.34	0.72
Beans	4.6	100.0	103.0	95.4	3.0	-7.4	0.01	-0.03
Brinjal	6.0	100.0	93.6	104.6	-6.4	11.8	-0.04	0.07
Cabbage	5.9	100.0	91.0	108.1	-9.0	18.8	-0.05	0.10
Cauliflower	2.9	100.0	84.8	88.7	-15.2	4.6	-0.04	0.01
Carrot	8.8	100.0	88.3	99.6	-11.7	12.8	-0.07	0.03
Onion	12.3	100.0	104.9	104.9	4.9	0.0	0.06	0.00
Tomato	37.3	100.0	81.1	108.2	-18.9	33.4	-0.70	1.01
Creepers	30.0	100.0	93.6	91.6	-6.4	-2.1	-0.19	-0.06
Other fresh vegetables	26.4	100.0	94.3	79.1	-5.7	-16.1	-0.32	-0.40
Fruits and nuts³	64.0	100.0	100.6	100.0	0.6	-0.6	1.10	0.06
Banana	10.1	100.0	94.6	102.2	-5.4	8.0	0.02	0.08
Pineapple	20.4	100.0	83.0	77.5	-17.0	-6.6	-0.27	-0.11
Other fruits	33.5	100.0	83.0	77.5	-17.0	-6.6	1.36	0.09
Oilseeds and oleaginous fruits³	3.4	100.0	93.0	108.2	-7.0	16.3	-0.02	0.07
Groundnut	2.3	100.0	88.8	95.3	-11.2	7.3	-0.03	0.01
Coconut	1.1	100.0	109.5	160.0	9.5	46.1	0.01	0.06
Edible roots and tubers³	35.7	100.0	100.8	100.3	0.8	-0.5	0.02	-0.03
Potato	29.0	100.0	101.2	101.2	1.2	0.0	0.03	0.00
Other Root crops	6.7	100.0	98.0	93.6	-2.0	-4.5	-0.01	-0.03
Stimulant & spice³	9.6	100.0	120.6	115.4	20.6	-4.3	0.21	-0.05
Tea	7.5	100.0	102.1	104.1 ⁴	2.1	2.0	0.02	0.02
Ginger	2.1	100.0	185.3	154.7	85.3	-16.5	0.20	-0.06
Flowers, ornamental plants	7.9	100.0	102.4	102.4	2.4	0.0	0.03	0.00
Anthurium	2.4	100.0	84.2	84.2	-15.8	0.0	0.00	0.00
Rose	0.9	100.0	90.0	90.0	-10.0	0.0	0.00	0.00
Other flowers	4.6	100.0	114.3	114.3	14.3	0.0	0.03	0.00
Animals & Animal Products	388.4	100.0	100.5	100.8	0.5	0.3	0.16	0.16
Cattle	25.2	100.0	103.2	105.9	3.2	2.6	0.08	0.07
Pigs	11.5	100.0	94.0	87.8	-6.0	-6.6	-0.07	-0.07
Goat	3.4	100.0	105.1	109.2	5.1	3.9	0.02	0.01
Deer	6.9	100.0	99.7	99.3	-0.3	-0.4	0.00	0.00
Poultry	267.1	100.0	98.9	99.9	-1.1	1.0	-0.29	0.27
Eggs	66.3	100.0	106.3	104.4	6.3	-1.8	0.42	-0.13
Milk	8.0	100.0	101.2	102.4	1.2	1.2	0.01	0.01
Overall	1,000.0	100.0	95.9	93.2	-4.1	-2.8	-3.37	-2.06

¹ Using data for base period (2013) as weights

² Revised

³ The indices are computed based on the method of variable baskets with fixed monthly weights in the base year as explained at paragraph 12 of Annex. The composition of these baskets is shown in Table 12.

⁴ Provisional

Table 10 : Monthly and Quarterly Price Indices - Agriculture (PPI-A) : January 2013 - June 2016**(Base period : Year 2013=100)**

Month	2013	2014	2015	2016 ¹
January	99.4	103.7	99.7	92.6
February	100.3	107.1	98.2	95.4
March	99.8	100.9	102.2	96.9
<i>1st quarter</i>	99.9	101.1	99.9	96.7
April	100.2	102.2	95.1	94.2
May	101.3	99.6	87.0	94.2
June	101.3	100.2	90.1	94.8
<i>2nd quarter</i>	101.0	100.7	90.9	92.1
July	101.1	93.0	90.1 ¹	
August	101.1	95.2	93.4 ¹	
September	100.6	90.8	93.3 ¹	
<i>3rd quarter</i>	100.8	93.0	92.2¹	
October	98.8	86.1	90.8 ¹	
November	97.9	87.6	90.3 ¹	
December	98.4	88.0	91.3 ¹	
<i>4th quarter</i>	98.5	87.5	91.1¹	
Yearly average²	100.0	95.9	93.2¹	
<i>Annual change (%)</i>	3.2	-4.1	-2.8	

¹ Provisional² Using data for base period (2013) as weights

Table 11 : Monthly Producer Price Index-Agriculture (PPI-A) ¹ : January 2000 - June 2016

(Base period:Year 2013=100)

Month	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016 ²
January	56.9	55.5	65.6	64.6	73.7	73.5	80.7	86.1	90.2	93.9	89.6	87.4	94.9	99.4	103.7	99.7	92.6
February	62.6	56.9	70.4	68.4	74.1	78.2	80.7	90.1	93.0	98.7	94.1	90.6	96.3	100.3	107.1	98.2	95.4
March	62.6	55.6	71.2	71.9	76.7	84.4	87.0	98.9	94.2	100.2	94.0	90.9	98.4	99.8	100.9	102.2	96.9
April	59.2	57.3	64.8	72.2	77.4	90.3	88.8	95.7	98.9	98.0	92.9	91.6	96.9	100.2	102.2	95.1	94.2
May	59.1	58.8	61.1	73.8	75.1	84.3	82.7	90.1	96.4	96.6	89.3	90.8	95.9	101.3	99.6	87.0	94.2
June	57.9	60.0	61.2	71.8	73.1	77.0	80.9	85.2	98.0	96.5	88.9	89.3	95.3	101.3	100.2	90.1	94.8
July	56.1	62.9	65.6	71.6	74.7	77.9	83.2	86.8	94.9	86.9	87.0	97.2	100.3	101.1	93.0	90.1 ²	
August	56.8	61.8	66.3	70.3	74.2	77.6	85.0	88.5	93.0	86.2	87.0	97.5	98.8	101.1	95.2	93.4 ²	
September	56.2	60.7	66.8	68.8	72.9	79.1	83.1	89.5	93.0	85.2	83.8	96.9	96.1	100.6	90.8	93.3 ²	
October	55.1	61.3	67.2	68.6	73.4	81.5	82.1	89.4	93.8	84.2	85.7	94.9	96.6	98.8	86.1	90.8 ²	
November	54.4	60.5	64.7	70.1	72.8	78.9	82.3	88.9	93.3	86.1	87.1	95.4	98.7	97.9	87.6	90.3 ²	
December	54.2	62.2	65.7	69.8	71.8	79.3	82.7	88.0	91.8	84.0	84.4	95.9	97.9	98.4	88.0	91.3 ²	
Yearly Average ³	57.2	59.7	65.3	69.8	73.6	79.5	82.8	88.7	94.1	90.9	88.6	93.2	96.9	100.0	95.9	93.2 ²	
Annual change (%)		4.3	9.4	6.9	5.5	8.0	4.1	7.1	6.0	-3.3	-2.6	5.2	4.0	3.2	-4.1	-2.8	

¹ The indices for January 2000 to June 2016 previously based on 2007=100 have been converted to the new base 2013=100

² Provisional

³ Using data for base period (2013) as weights

Monthly Producer Price Index -Agriculture (PPI-A)
(Base period:Year 2013 =100)

Table 12 : Weight distribution for the base period and its months by commodity group and product

Commodity Group	Weight												
	Year	January	February	March	April	May	June	July	August	September	October	November	December
Crop Products	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6
Sugar Cane	356.8	356.8	356.8	356.8	356.8	356.8	356.8	356.8	356.8	356.8	356.8	356.8	356.8
Other crops products	254.8	254.8	254.8	254.8	254.8	254.8	254.8	254.8	254.8	254.8	254.8	254.8	254.8
Fresh Vegetables	134.2	134.2	134.2	134.2	134.2	134.2	134.2	134.2	134.2	134.2	134.2	134.2	134.2
Beans	4.6	4.3	4.0	3.5	3.3	3.0	4.7	3.7	4.8	5.1	3.5	3.8	4.4
Brinjal	6.0	5.7	5.7	6.7	5.0	4.8	5.5	4.3	5.0	4.4	3.4	4.6	5.3
Cabbage	5.9	3.7	3.4	5.4	4.2	3.9	5.2	5.6	6.7	5.5	3.1	3.3	3.4
Cauliflower	2.9	1.4	1.1	1.2	1.7	3.2	6.0	6.3	7.5	5.1	3.1	2.6	2.2
Carrot	8.8	6.4	6.6	8.0	5.6	6.4	9.2	9.0	13.7	10.8	5.4	5.9	6.0
Onion	12.3	1.1	0.0	0.0	0.0	0.0	0.2	0.8	5.6	19.0	35.2	28.1	6.6
Tomato	37.3	29.2	25.6	28.9	24.0	25.8	32.7	28.2	34.3	32.2	25.3	28.8	28.2
Creepers	30.0	43.3	44.9	53.6	42.1	42.5	45.3	36.6	36.8	33.7	24.4	30.3	33.3
Other fresh vegetables	26.4	38.9	43.0	26.9	48.3	44.6	25.5	39.6	19.7	18.4	30.8	26.9	44.7
Fruits and nuts	64.0												
Banana	10.1	10.8	16.5	19.2	17.4	16.7	12.3	15.2	18.4	17.7	15.7	10.9	7.5
Pineapple	20.4	26.4	38.5	44.8	43.5	40.1	26.9	37.4	45.6	46.3	42.7	31.2	17.9
Other fruits	33.5	26.8	9.0	0.0	3.1	7.1	24.8	11.4	0.0	0.0	5.6	22.0	38.7
Oilseeds and oleaginous fruits	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
Groundnut	2.3	2.8	2.8	3.0	2.9	2.9	2.7	2.8	2.7	2.2	2.7	2.8	2.9
Coconut	1.1	0.6	0.6	0.4	0.5	0.5	0.7	0.6	0.7	1.2	0.7	0.6	0.5
Edible roots and tubers	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
Potato	29.0	22.2	0.0	0.0	0.0	0.0	19.8	31.6	32.3	33.5	33.8	34.0	31.1
Other Root crops	6.7	13.5	35.7	35.7	35.7	35.7	15.9	4.1	3.4	2.2	1.9	1.7	4.6
Stimulant & spice	9.6												
Tea	7.5	9.1	9.6	9.6	9.5	9.3	8.9	7.6	6.6	4.6	5.3	6.0	9.4
Ginger	2.1	0.5	0.0	0.0	0.1	0.3	0.8	2.0	3.0	5.0	4.3	3.6	0.3
Flowers, ornamental plants	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
Anthurium	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
Rose	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Other flowers	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
Animals & Animal Products	388.4	388.4	388.4	388.4	388.4	388.4	388.4	388.4	388.4	388.4	388.4	388.4	388.4
Cattle	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
Pigs	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
Goat	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
Deer	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
Poultry	267.1	267.1	267.1	267.1	267.1	267.1	267.1	267.1	267.1	267.1	267.1	267.1	267.1
Eggs	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
Milk	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Overall Index	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0	1,000.0

Producer Price Index – Agriculture (PPI-A)

Methodology for the computation of PPI-A

1. Introduction

The analysis of price data implies comparison of current and past prices. Comparison over time is required to study the price movement in order to understand the history and to indicate future outlook. While price relatives of single commodities can be studied in isolation, general conclusion can only be derived from averages, covering a given set or class of commodities. The indicators of average price changes are the price indices.

2. Scope

The PPI-A covers agricultural products that are classified according to the latest Central Product Classification (CPC) Ver.2.1. There are two divisions: Division 01 - Crop Products and Division 02 - Animals & Animal Products. “Crop Products” is further divided into 7 Commodity Groups namely:

Group 012: Fresh vegetables

Group 013: Fruit and nuts

Group 014: Oilseeds and oleaginous fruits

Group 015: Edible roots and tubers

Group 016: Stimulant and spice

Group 018: Sugar cane

Group 019: Flowers, ornamental plants

3. Commodity 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 79% of the total value of agricultural production is covered.

4. Observation Units

There are essentially three types of observation units for collecting producer prices: (i) producers (ii) purchasers and (iii) markets. However, in the context of Mauritius, different type of observation units are used for different commodities as shown below:

(a) For main commercial crops (sugar cane and tea leaf etc) the respective marketing agency is the source of the price data.

(b) For vegetables, price data are obtained mainly at the two auction markets which are situated at Vacoas and Port Louis respectively.

(c) For fruits, prices are recorded from different sources such as planters and first middlemen.

(d) For animals and animal products, price data are available at sources varying from marketing agencies to producers.

5. Definition of prices

A price is a pure price when the same amount of money refers to what the buyer pays and what the seller receives. Since the price series form the basis for calculation, the index of the output prices must be representative of what the farmer actually receives.

The prices must be recorded at a point in the marketing of the product which is as close as possible to the farmer. This means that the selling prices should be recorded at the farm-gate or (if this is not possible) at the next stage of the commodity flow.

6. Purpose of the agricultural price indices

The purpose of the price indices is to provide information on trends in producer prices of agricultural products and purchase prices of the means of agricultural production.

The selling prices of agricultural products and the purchase of the means of production have a decisive influence on farmer's income. It would, therefore, be useful to have indicators showing how agricultural revenue and expenditure are influenced by their price component.

The agricultural price indicators are of two types:-

- (i) Prices received by farmers represent the producer prices of agricultural products (output prices)
- (ii) Prices paid by farmers are the purchase prices of agricultural requisites (input prices)

The two classes of prices mentioned above, are considered important in the context of economic analysis and agricultural policy decisions. Index numbers based on them show the average changes of these prices.

It is to be noted that only the output price index for different groups of commodities is compiled.

7. Price received by agricultural producers

As mentioned earlier, the prices for the index should be farm-gate prices, but this is not possible in many cases. Hence, in lieu of the farm-gate price, the wholesale price of the produce is recorded at the two auction markets located in Vacoas and Port Louis.

As regards sugarcane, there is no actual market price for the product. The final price for a crop is only available after the crop year to which it refers. Provisional estimates of the price of sugar is provided by Mauritius Sugar Syndicate. This is however revised as soon as the final price is available. The same procedure is applied to tea.

8. Frequency of Price Collection

The frequency of price collection varies from weekly for some commodities to only once a year in others. Broadly speaking, the frequency of price collection is as follows:-

- (i) For vegetables, price data are collected every second and fourth week of a month at the two auction markets
- (ii) For 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. For example crop products – potato, onion etc.
- (iii) For the main commercial crops like sugar cane and tea leaf, the reported prices are normally fixed for the crop year by the respective marketing agency.
- (iv) For the remaining type of items not mentioned above, the price data are collected on a monthly basis.

9. Weights

9.1 *Weighting scheme and choice of the base period*

As price data are associated with commercial transaction, it is logical to relate prices to sales rather than total production. However, since value of production for the market (sales) is not available here, the value of the total production is considered as a proxy in calculation of weights. Furthermore, since meteorological conditions and market forces may generate high fluctuations, the weight base is taken as the average of the total production for three years.

It may be noted that ‘Food and Agriculture Organisation’ and ‘Eurostat’ recommend that if the quantity weight base is the average of 3 years, then the reference base for prices should be the middle year. The weights are derived by multiplying the average of production during the years 2012, 2013 and 2014 by the average of unit prices in 2013, 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.

9.2 Evolution of weights from 2007 to 2013

Table A.1: Weights by commodity group, previous and new base periods

Commodity Group	Previous Weight	New Weight
	Base period: 2007	Base period: 2013
Crop Products	755.9	611.6
Sugar Cane	570.5	356.8
Other crop products	185.4	254.8
Fresh Vegetables	115.1	134.2
Beans	3.4	4.6
Brinjal	2.7	6.0
Cabbage	4.2	5.9
Cauliflower	2.6	2.9
Carrot	7.2	8.8
Onion	8.1	12.3
Tomato	30.1	37.3
Creepers	37.0	30.0
Other fresh vegetables	19.8	26.4
Fruit and nuts	20.3	64.0
Banana	7.1	10.1
Pineapple	8.4	20.4
Other fruits	4.8	33.5
Oilseeds and oleaginous fruits	1.5	3.4
Groundnut	0.8	2.3
Coconut	0.7	1.1
Edible roots and tubers	24.7	35.7
Potato	22.4	29.0
Other root crops	2.3	6.7
Stimulant & spice	12.1	9.6
Tea	8.1	7.5
Ginger	4.0	2.1
Flowers, ornamental plants	11.7	7.9
Anthurium	5.1	2.4
Rose	3.0	0.9
Other flowers	0.4	4.6
Tobacco ¹	3.2	-
Animals & Animal Products	244.1	388.4
Cattle	2.0	25.2
Pigs	3.2	11.5
Goat	0.7	3.4
Deer	4.9	6.9
Poultry	174.2	267.1
Eggs	55.0	66.3
Milk	4.1	8.0
Overall Index	1000.0	1000.0

¹ Production of tobacco leaves has ceased since 2014

10. Index calculation

The PPI will be calculated according to a modified Laspeyres formula:

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

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 (2013)
W_i is the weight associated with commodity i

The prices of commodity i, whenever there are more than one quote as in the case of wholesale price at the two auction markets, are averaged using geometric mean.

11. Uses of agricultural price indices

The construction of agricultural price index numbers may serve various purposes as shown below:-

- (i) Economic analysis, in particular the estimation of general price trends and their relationship with other pertinent variable, e.g the study of domestic price changes in relation to prices observed in external markets or the movement of agricultural production.
- (ii) Monitoring the implementation of agricultural price policy decision such as the introduction or modification of support prices
- (iii) Forecasting price movements in connection with market studies or business cycle research.
- (iv) Compilation of national accounts at constant prices. In order to estimate the growth of the real product of the agricultural sector, deflator indices are needed. They are appropriately weighted indices of agricultural commodities or input items.

12. Seasonality

Prices and quantities of many agricultural commodities show seasonal variations. As vegetables and fruits are extremely seasonal products, it is therefore decided to use the method of variable baskets with fixed monthly weights in the base year.

There are 12 monthly baskets of representative products. The composition of these baskets varies each month. Certain products whose marketing period covers the whole year appear in all 12 monthly baskets, while others, which are more seasonal, appear only in some of them. However, the composition of the basket for a given month is fixed over time.

13. Missing Prices

There is also in the field of agricultural price observation the case of missing prices for a product which must be taken into account because there is an index weight for respective month. In these cases, the last observed price is carried forward as recommended by the Producer Price Index Manual of the International Monetary Fund.

14. Periodicity

The index is calculated on a monthly, quarterly as well as on an annual basis. While quarterly and annual price indices can normally be calculated as the simple (unweighted) average of the monthly indices, it is recommended that the monthly sales figures for the base year be used as weights to calculate the quarterly and annual indices. If sales figures are not available, total production can be used as a proxy when most of the production is available for sales. Such is the case in Mauritius and the values of total production have been used as weights.