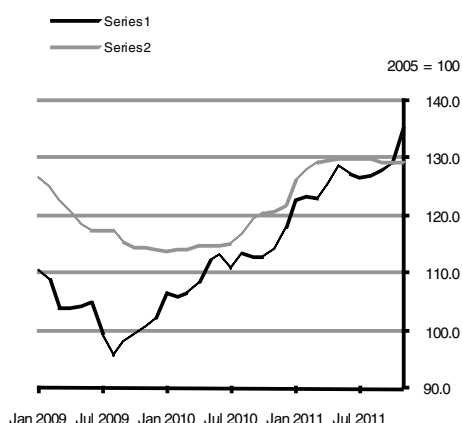




Agricultural price indices
Unadjusted



Agricultural Price Indices

November 2011

Unadjusted for seasonal factors

	Output	Input	Terms of trade
	Base year 2005 = 100		
October 2011	128.9	129.3	99.7
November 2011	135.2	129.3	104.6
Percentage change	4.9%	0.0%	4.9%

Agricultural output price index up 4.9% in November 2011

The agricultural output price index increased by 4.9% in November 2011 compared with October 2011. The agricultural input price index remained unchanged over the same period. Thus, the resulting terms of trade index increased by 4.9% in November 2011. *See tables 1a, 2a and graph.*

The seasonally adjusted output price index in November 2011 was 4.3% higher than in October 2011. *See table 3.*

On an annual comparison, the agricultural output price index in November 2011 was 18.6% higher than in November 2010. The agricultural input price index was up 7.2% in November 2011 compared with November 2010.

A further comparison of the November 2011 sub-indices with November 2010 shows that:

- ◆ Cattle, poultry, milk, pigs and sheep prices increased by 31.8%, 24.2%, 14.1%, 11.7% and 7.3% respectively. *See tables 1a and 1b.*
- ◆ Fertilisers, energy and feeding stuffs prices increased by 20.7%, 16.0% and 6.3% respectively. *See tables 2a and 2b.*

Annual EU output and input price index changes (base year 2005 = 100) for selected items are shown at the back of this release.

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Table 1a Agricultural Output Price Index (excluding VAT)

Base Year 2005 = 100

Category	Index										Monthly Change	Annual Change	
	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Nov-11/Oct-11	Nov-11/Nov-10
Agricultural Output Price Index	122.5	123.4	123.0	125.3	128.7	127.4	126.5	127.0	127.8	128.9	135.2	4.9%	18.6%
Crop Output	126.7	128.2	128.0	127.7	127.7	128.3	121.6	123.3	127.6	131.5	128.8	-2.1%	1.8%
Cereals (including seeds)	156.6	156.6	156.6	156.6	156.6	156.6	156.6	166.2	166.2	166.2	166.2	0.0%	6.2%
Vegetables	108.3	108.4	108.1	107.8	107.7	107.5	109.1	108.6	108.9	109.1	109.0	..	0.7%
Potatoes (including seeds)	106.3	114.0	113.8	112.9	113.1	116.6	78.3	68.5	90.5	110.1	96.3	..	-9.0%
Animal Output	122.0	122.7	122.3	124.9	128.8	127.3	127.2	127.5	127.8	128.6	136.0	5.8%	21.1%
Animals	122.4	121.9	124.4	129.5	135.5	130.7	130.3	131.0	130.0	130.3	138.6	6.3%	25.8%
Cattle	125.3	124.2	124.9	129.2	137.2	133.2	134.4	135.3	134.6	135.0	144.3	6.9%	31.8%
Cattle excluding calves	125.5	124.6	125.3	129.4	137.4	133.4	134.5	135.0	134.0	134.8	144.1	6.9%	31.4%
Calves	105.1	79.8	85.2	106.7	116.0	112.5	131.9	159.1	184.4	157.5	166.7	..	72.8%
Pigs	99.3	101.9	104.6	107.3	110.6	112.2	112.5	112.7	112.8	110.6	110.7	0.2%	11.7%
Sheep	134.5	135.0	150.9	168.3	168.9	145.3	133.0	130.2	124.9	127.6	133.9	..	7.3%
Poultry	124.1	122.9	122.9	122.9	122.9	122.9	122.9	127.5	127.5	129.4	147.0	13.6%	24.2%
Animal Products	121.4	123.9	119.1	118.1	118.6	122.1	122.3	122.3	124.6	126.0	132.1	4.9%	14.2%
Milk	121.6	124.2	119.2	118.2	118.3	121.9	122.1	122.1	124.5	125.9	132.2	5.0%	14.1%
Eggs	120.6	121.4	122.1	122.1	122.1	122.1	122.1	120.8	120.3	119.8	119.6	-0.2%	5.9%
Wool	89.6	89.6	89.6	89.6	156.8	156.8	156.8	156.8	156.8	156.8	156.8	0.0%	75.0%

.. Comparison not valid as different basket of products are included each month.

Table 1b Agricultural Output Price Index (excluding VAT)

Base Year 2005 = 100

Category	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Year 2010
Agricultural Output Price Index	106.6	105.8	106.6	108.0	112.2	113.1	110.7	113.3	112.8	112.7	114.0	117.8	111.6
Crop Output	116.8	116.1	116.5	116.3	116.4	117.9	110.6	125.7	125.7	127.2	126.5	126.3	122.9
Cereals (including seeds)	98.0	98.0	98.0	98.0	98.0	98.0	98.0	156.6	156.6	156.6	156.6	156.6	122.4
Vegetables	107.7	107.6	107.1	106.7	106.7	106.4	107.7	107.4	107.8	108.2	108.2	107.8	107.5
Potatoes (including seeds)	174.5	171.2	174.4	174.0	174.5	183.1	141.9	103.5	102.2	109.2	105.8	105.4	157.3
Animal Output	105.3	104.5	105.3	107.0	111.6	112.4	110.7	111.7	111.2	110.9	112.4	116.7	110.1
Animals	107.5	108.1	109.6	111.7	114.3	115.5	112.8	114.1	111.2	109.5	110.2	117.7	111.9
Cattle	108.0	108.1	109.0	110.5	113.3	115.5	112.4	114.1	111.2	109.7	109.5	117.9	111.6
Cattle excluding calves	108.3	108.6	109.5	110.9	113.7	115.9	112.8	114.3	111.3	109.8	109.7	118.1	112.0
Calves	80.3	64.5	62.3	70.9	71.0	76.9	81.1	93.9	99.4	99.7	96.5	104.8	72.4
Pigs	88.0	91.5	92.7	94.8	99.4	105.1	108.1	107.4	105.5	100.7	99.2	99.3	99.3
Sheep	128.2	128.8	136.9	144.5	144.2	133.2	122.6	124.6	119.1	118.3	124.8	138.2	130.0
Poultry	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.9	118.4	123.7	114.6
Animal Products	102.1	99.0	98.8	99.8	107.6	107.7	107.5	108.0	111.1	113.0	115.7	115.2	107.5
Milk	102.2	99.0	98.9	99.8	107.6	107.8	107.6	108.1	111.3	113.2	115.9	115.3	107.5
Eggs	112.0	110.8	110.8	110.8	110.8	109.8	109.8	109.8	109.8	109.8	112.9	117.3	111.2
Wool	50.0	50.0	50.0	50.0	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	88.0

Table 2a Agricultural Input Price Index (excluding VAT)

Base Year 2005 = 100

Category	Index											Monthly Change	Annual Change
	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Nov-11/Oct-11	Nov-11/Nov-10
Agricultural Input Price Index	126.0	128.0	129.4	129.6	129.9	129.9	130.0	129.9	129.5	129.3	129.3	0.0%	7.2%
Seeds	103.8	103.8	107.8	107.8	107.8	107.8	107.8	107.8	107.8	108.2	108.2	0.0%	4.2%
Energy	133.3	135.2	140.5	142.2	141.1	139.3	138.5	140.1	141.2	141.6	142.9	0.9%	16.0%
Electricity	119.8	119.8	119.8	119.8	119.9	119.9	119.9	123.6	125.6	133.6	133.6	0.0%	11.5%
Motor Fuels	137.5	140.0	147.0	149.2	147.7	145.4	144.3	145.4	146.3	144.5	146.3	1.2%	17.9%
Lubricants	127.9	128.0	129.2	129.7	129.6	129.7	129.2	129.2	129.2	129.1	129.8	0.5%	2.4%
Fertilisers	154.4	162.0	163.3	162.4	163.2	163.1	162.9	162.9	163.0	164.3	164.5	0.1%	20.7%
Straight Fertilisers	146.0	154.1	154.6	153.8	153.5	153.6	153.4	152.9	152.9	154.7	154.9	0.1%	23.6%
Compound Fertilisers	161.4	169.1	170.9	169.9	171.2	171.1	171.0	171.2	171.3	172.5	172.6	0.1%	20.2%
PK Fertilisers	187.3	194.7	201.5	200.3	200.8	200.8	201.0	202.3	202.3	204.0	204.0	0.0%	14.4%
NPK Fertilisers	160.5	168.2	169.8	168.8	170.2	170.1	169.9	170.1	170.2	171.4	171.5	0.1%	20.4%
Other Fertilisers	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	0.0%	0.0%
Plant Protection Products	102.9	102.9	100.6	100.5	100.6	100.6	100.6	100.6	100.6	100.6	100.6	0.0%	-2.3%
Veterinary Expenses	111.7	111.7	111.7	111.7	111.7	111.7	111.7	111.7	111.7	111.7	111.7	0.0%	-0.3%
Feeding Stuffs	131.0	133.5	134.8	135.5	136.5	137.2	137.4	137.1	135.4	134.4	133.9	-0.4%	6.3%
Straight Feeding Stuffs	139.2	142.0	144.8	145.2	146.4	145.7	146.2	144.9	140.2	139.7	138.5	-0.8%	5.2%
Compound Feeding Stuffs	129.7	132.2	133.3	133.9	135.0	135.8	136.0	135.8	134.6	133.6	133.1	-0.3%	6.4%
Feeding Stuffs for Calves	128.8	130.4	131.6	132.0	133.5	134.6	136.0	136.0	135.6	135.0	134.7	-0.2%	8.8%
Feeding Stuffs for Cattle excluding Calves	131.3	133.8	134.8	134.9	135.9	136.6	136.9	136.9	135.8	134.6	134.3	-0.2%	6.3%
Feeding Stuffs for Pigs	128.6	131.0	132.0	133.1	134.0	136.2	136.2	135.3	132.3	131.1	131.1	0.0%	6.0%
Feeding Stuffs for Poultry	129.0	131.0	132.3	133.8	135.3	135.4	135.2	135.1	134.4	133.3	132.2	-0.8%	5.8%
Other Compound Feeding Stuffs	124.9	129.0	130.2	130.8	131.6	131.8	132.2	132.4	132.8	133.2	132.5	-0.5%	8.8%
Maintenance of Materials	109.3	107.1	107.1	107.1	107.3	107.3	107.3	107.5	107.5	107.5	107.6	0.1%	-1.6%
Maintenance of Buildings	111.9	111.9	111.6	111.7	112.0	111.8	112.7	111.7	111.9	111.9	112.2	0.3%	-0.2%
Other Goods and Services	108.9	109.3	109.4	109.4	107.9	108.0	108.3	108.1	108.1	108.1	108.0	-0.1%	-0.3%

Table 2b Agricultural Input Price Index (excluding VAT)

Base Year 2005 = 100

Category	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Year 2010
Agricultural Input Price Index	113.7	113.9	114.0	114.8	114.8	114.6	115.0	116.7	119.3	120.2	120.6	121.8	116.6
Seeds	111.2	111.2	103.1	103.1	103.1	103.1	103.1	103.1	103.1	103.8	103.8	103.8	104.7
Energy	115.1	113.9	116.7	121.4	124.6	123.0	122.7	122.7	122.6	123.2	123.2	130.8	121.6
Electricity	116.1	116.1	116.1	116.1	114.5	114.5	114.5	114.5	114.5	119.8	119.8	119.8	116.3
Motor Fuels	114.3	112.8	116.5	122.8	127.5	125.4	124.9	124.9	124.7	124.1	124.0	134.1	123.0
Lubricants	124.4	124.4	124.5	124.7	125.0	125.1	125.3	125.9	125.9	126.3	126.7	127.0	125.4
Fertilisers	129.8	130.3	131.4	131.8	131.6	129.5	129.1	131.3	135.6	136.1	136.3	139.8	132.7
Straight Fertilisers	113.8	115.8	119.9	121.0	120.2	117.4	117.1	119.6	123.4	125.0	125.4	130.1	120.7
Compound Fertilisers	139.3	139.0	138.7	138.6	138.7	136.9	136.5	138.8	143.5	143.4	143.6	146.7	140.3
PK Fertilisers	199.8	183.0	177.1	169.8	169.8	169.8	169.8	170.3	178.2	178.4	178.4	179.9	177.0
NPK Fertilisers	137.2	137.5	137.3	137.5	137.7	135.8	135.4	137.7	142.3	142.2	142.4	145.5	139.0
Other Fertilisers	113.6	112.2	112.2	112.2	112.2	112.2	110.0	110.0	110.0	110.0	110.0	110.0	111.2
Plant Protection Products	103.8	103.8	103.9	102.8	102.8	102.8	102.9	102.9	102.9	102.9	102.9	102.9	103.1
Veterinary Expenses	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0	112.0
Feeding Stuffs	111.1	111.8	111.8	112.3	111.7	112.4	113.8	117.4	123.0	125.0	126.0	125.9	116.9
Straight Feeding Stuffs	115.3	115.3	114.8	115.6	116.0	116.0	118.3	125.0	131.1	131.0	131.7	133.4	122.0
Compound Feeding Stuffs	110.5	111.3	111.3	111.8	111.1	111.8	113.1	116.2	121.8	124.1	125.1	124.7	116.1
Feeding Stuffs for Calves	110.7	111.0	111.2	112.1	111.5	113.0	113.7	116.6	122.6	124.7	123.8	123.8	116.2
Feeding Stuffs for Cattle excluding Calves	109.7	110.3	110.0	110.9	110.2	111.1	112.8	117.0	122.8	125.2	126.3	125.2	116.0
Feeding Stuffs for Pigs	105.2	108.1	109.4	108.4	108.5	108.5	110.3	112.5	117.4	121.7	123.7	124.2	113.2
Feeding Stuffs for Poultry	117.6	117.6	117.3	118.6	116.7	117.4	117.5	118.8	124.4	124.6	125.0	125.3	120.1
Other Compound Feeding Stuffs	108.3	108.3	107.3	107.5	106.8	108.7	109.7	112.3	117.6	121.5	121.8	121.7	112.6
Maintenance of Materials	111.5	110.4	110.4	110.4	109.6	109.6	109.6	109.9	109.9	109.9	109.3	109.3	110.0
Maintenance of Buildings	113.5	113.9	113.5	113.6	113.1	113.2	113.2	112.9	112.7	112.7	112.4	112.2	113.1
Other Goods and Services	107.5	108.0	107.4	107.6	107.7	107.8	107.9	107.9	107.9	108.1	108.4	108.5	107.9

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Table 3 Seasonally Adjusted Agricultural Output Price Index (excluding VAT)¹

Base Year 2005 = 100

Period	Agricultural Output Price Index	Vegetables	Potatoes (including seeds)	Cattle	Pigs	Sheep	Milk
2010 January	104.4	107.7	183.1	105.7	93.7	132.4	96.6
February	104.1	107.5	165.6	106.2	95.6	129.1	96.1
March	106.1	107.2	159.2	107.5	96.1	128.4	99.9
April	108.0	106.9	154.7	107.8	96.2	125.2	105.7
May	110.2	107.0	150.0	109.9	97.8	124.2	111.9
June	111.8	106.7	152.9	111.4	100.1	124.6	111.4
July	112.3	108.0	162.6	112.2	102.6	128.2	111.7
August	115.7	107.4	141.4	115.6	102.3	132.0	111.5
September	114.8	107.6	111.2	114.2	102.0	131.0	111.9
October	114.5	107.6	110.2	114.8	100.4	132.0	111.4
November	115.2	107.7	110.7	114.2	102.4	134.8	111.2
December	117.4	107.7	110.5	120.3	103.4	145.5	109.3
2011 January	119.9	108.4	111.5	122.4	105.2	138.1	115.2
February	121.4	108.3	109.6	122.2	105.9	136.0	120.5
March	123.0	108.2	103.8	123.6	107.5	141.2	121.7
April	124.4	108.1	100.5	126.4	108.1	145.0	122.7
May	126.1	108.0	97.5	132.8	108.1	144.8	122.4
June	125.8	107.9	96.9	128.6	107.0	137.0	125.6
July	128.3	109.4	89.5	133.9	107.0	139.4	126.7
August	129.8	108.7	93.3	136.8	107.8	138.3	126.1
September	130.3	108.6	98.7	138.5	109.9	138.2	125.6
October	131.2	108.5	111.3	141.5	111.3	143.0	124.4
November	136.9	108.5	101.5	150.2	114.4	144.2	127.2
Nov 2011/Oct 2011	4.3%	6.1%	2.9%	..	2.2%

¹ The seasonally adjusted indices are recalculated each month for previous months.

.. Comparison not valid.

Background Notes

- Introduction** This release presents estimates of Agricultural Output and Input Price Indices. The indices monitor trends in prices paid to farmers for their produce and in prices paid by farmers for purchases of goods and services. An EU harmonised methodology is used to compile these price indices. The estimates are also sent to Eurostat, the Statistical Office of the European Communities.
- Methodology** The agricultural output price indices are intended to measure trends in the price of agricultural produce sold by farmers. The agricultural input price indices are designed to measure trends in the price of farm inputs purchased for current consumption (i.e. non-capital materials and services). Both indices are compiled on the average farm concept. The average farm concept includes both sales to other economic sectors as well as sales/purchases of agricultural output between agricultural units for intermediate consumption purposes, excluding trade in animals between agricultural units. The weights used to combine the changes in prices of the individual commodities are based on the value of sales off farms and the expenditure by farmers on input purchases for the base year for the output and input indices respectively. The Laspeyres index formula, involving the use of fixed base year weights, has been used in the compilation of the monthly index numbers for all commodity groupings except vegetables, potatoes and sheep. Because of the highly seasonal nature of vegetables, potatoes and sheep, variable monthly baskets of products are priced for these commodities.
- Monthly price series are used except for seasonal products where prices are only available at certain times during the year. In these cases, the monthly prices returned during the last selling period are continued unchanged until the product can be priced again. The monthly sub-indices are weighted by the base year value of sales and the expenditure on farm inputs to derive overall monthly total output and total input indices respectively. In line with EU recommendations, the annual input indices are calculated as simple arithmetic averages of the monthly indices. The annual output indices are calculated as the weighted averages of the monthly indices.
- The agricultural terms of trade index is the output price index expressed as a percentage of the input price index. All percentage changes have been calculated on actual figures before the index is rounded to one decimal place.
- Price coverage** The actual prices used for the index series are based on the market price without the deduction of bonuses, taxes or levies with the exception of deductible value added tax and third party levies. Standardised prices are used for milk and cereals to ensure that products of identical quality are priced in successive periods. In the case of milk for manufacturing, this means pricing at a fixed butterfat and protein content. Standardised cereal prices are based on the harvest price at 20% moisture content.
- Data sources** The indices are compiled from a wide variety of sources, including direct CSO surveys and administrative data from the Department of Agriculture, Food and the Marine. The actual sources are described more fully in the *Agricultural Price Indices - Introduction of New Series to Base Year 2005 = 100* published by the CSO on the 15 July 2011. This report is available in electronic format from the CSO website at http://www.cso.ie/releasespublications/documents/prices/2011/api_baseyear2005.pdf
- Seasonal adjustment** As many agricultural products follow a seasonal production pattern, seasonally adjusted monthly series for the agricultural output price index and selected sub-indices are also compiled. As agricultural input prices are less subject to seasonal influences than output prices, a seasonally adjusted series is not relevant. Monthly indices starting in January 2005 have been used in deriving the seasonal factors. The seasonal adjustment is carried out by applying the X-12 ARIMA model, developed by the US Census Bureau, to the unadjusted data.

Annual percentage changes in EU output and input price indices, base year 2005=100

Jul - Sep 2011 / Jul - Sep 2010

Country	Total Outputs	Cattle	Cows' Milk	Pigs	Total Inputs	Energy	Fertilizers	Feeding Stuffs
European Union 27¹	7.3²	12.2²	10.1²	5.6²	13.1²	15.3²	25.6²	22.0²
Austria	11.0	14.1	8.5	6.2	10.5	13.4	54.8	15.2
Belgium	-1.8	5.0	5.6	4.8	12.5	23.3	17.8	17.9
Bulgaria	17.4	6.1	17.5	1.0	10.8	21.5	28.1	8.8
Cyprus	-0.1	0.9	1.0	-0.6	1.1	0.5	0.4	1.3
Czech Republic	13.8	4.8	11.6	0.9	9.2	9.1	23.2	17.1
Denmark	13.7	18.4	10.9	4.3	13.2	18.6	36.3	18.8
Estonia	13.7	10.8	15.3	7.8	17.1	13.6	26.0	24.2
Finland	14.0 ²	5.6	15.0 ²	6.3	15.2	28.6	34.9	21.3
France	7.1	8.5	8.3	4.9	12.4	19.0	25.8	22.1
Germany	14.3	17.3	12.0	6.8	13.9	12.4	19.3	26.7
Greece	1.9	3.2	10.1	1.2	11.9	15.9	7.0	16.4
Hungary	14.7	39.4	17.9	2.6	13.8	9.9	18.2	25.3
Ireland	13.3	19.4	12.9	5.3	10.9	14.1	23.4	15.7
Italy	5.6	6.3	12.2	16.0	10.0	13.8	16.9	13.3
Latvia	16.9	29.2	17.1	6.3	17.4	17.1	15.3	39.7
Lithuania	13.8	29.3	12.7	4.0	22.1	22.2	40.4	15.7
Luxembourg	11.6	8.7	8.4	3.4	10.7	12.4	29.7	13.9
Malta	-7.0	14.6	16.6	0.0	14.2	17.5	-4.3	24.5
Netherlands	1.9	19.1	8.2	8.8	13.5	11.6	31.5	26.3
Poland	15.3 ²	31.4 ²	14.2 ²	10.4 ²	11.0	9.9	19.5	19.5
Portugal	-2.3 ²	7.7 ²	10.9 ²	-6.9 ²	8.5 ²	14.0 ²	23.5 ²	18.9 ²
Romania	2.5	16.6	9.5	4.7	18.8	15.2	34.9	46.3
Slovakia	26.2	1.7	25.5	2.6	11.2	16.8	21.7	30.9
Slovenia	9.1	14.6	13.9	3.6	15.3	12.6	24.4	27.3
Spain	4.9	10.2	5.4	1.7	12.3	17.8	23.4	14.4
Sweden	1.6	6.1	2.0	-10.1	7.9	9.0	25.6	9.9
United Kingdom	13.1	22.5	11.5	3.2	19.1	16.2	32.7	45.5

.. Data not available

¹European Union figure includes Eurostat estimates for member states where data is not currently available²ProvisionalSource: Eurostat website <http://epp.eurostat.ec.europa.eu>