

EAA Inventory 2015

Methods for valuing agricultural production

Scope

This workbook is designed to be used in conjunction with the MS Word document entitled "EAA Inventory 2015". It allows you to enter the relevant information referring to the third standard question "CALCULATION PROCEDURE" which asks the relations between basic data and the EAA results.

This workbook contains 2 main tables:

1. the calculation procedure itself in the second spreadsheet "METHODS"; use this one to add your inputs on the general methods used for valuing the agricultural production;
2. the parameters table in the third spreadsheet "PARAMETERS"; use this one in case you wish to insert new formula symbols or/and new calculation methods.

Instructions

In the sheet named "METHODS" you find the aggregates and the individual products: please choose the level of detail you want to report information on the methods of calculation.

Please give the information referring to the lowest level of aggregation. If you work with more level of detail than those reported please add the necessary rows to the table. In this case, please make sure to give a complete enumeration of the sub-positions concerned in the first cell of the row. However when the same calculation method is applied to all the sub-items it is sufficient to group together all of them.

Below is an example for Cauliflower with 1 to 5 different formulas and different hypothesis on the level of the detail mutually exclusive where 2 rows have been added to have "Cauliflower quality I" and "Cauliflower quality II".

	DATA USED								ADJUSTMENT	EAA RESULTS		
	Quantity		Price		Value at current price		Volume index	Price index		Value for year t-1 at current price	Value for year t at preceding year price	Value for year t at current price
	Q		P		V		I _v	I _p				
	t-1	t	t-1	t	t-1	t	t/t-1	t/t-1				
Cauliflower 1	x	x	x	x						$Q(t-1)*P(t-1)$	$Q(t)*P(t-1)$	$Q(t)*P(t)$
Cauliflower 2					x	x	x			$V(t-1)$	$V(t-1)*I_v$	$V(t)$
Cauliflower 3					x	x		x		$V(t-1)$	$V(t-1)*I_p$	$V(t)$
Cauliflower 4					x		x	x		$V(t-1)$	$V(t-1)*I_p$	$V(t-1)*I_v*I_p$
Cauliflower 5					x			x	x	$V(t-1)$	$V(t-1)*I_p$	$Adj(V(t))$
Cauliflower Quality I	x	x	x	x						$Q(t-1)*P(t-1)$	$Q(t)*P(t-1)$	$Q(t)*P(t)$
Cauliflower Quality II					x	x		x		$V(t-1)$	$V(t-1)*I_p$	$V(t)$

Methods for valuing agricultural production

	Code	DATA USED								ADJUSTMENT	EAA RESULTS			COMMENT
		Quantity		Price		Value at current price		Volume index	Price index		Value for year t-1 at current price	Value for year t at preceding year price	Value for year t at current price	
		Q		P		V		Iv	Ip					
		t-1	t	t-1	t	t-1	t	t/t-1	t/t-1					
CEREALS	01000													
Wheat and spelt	01100													
Soft wheat and spelt	01110													
Durum wheat	01120													
Rye and meslin	01200													
Barley	01300													
Oats and summer cereal mixtures	01400													
Grain maize	01500													
Rice	01600													
Other cereals	01900													
Industrial crops	02000													
Oil seeds and oleaginous fruits (including seeds)	02100													
Rape and turnip rape seed	02110													
Sunflower	02120													
Soya	02130													
Other oleaginous products	02190													
Protein crops (including seeds)	02200													
Raw tobacco	02300													
Sugar beet	02400													
Other industrial crops	02900													
Fibre plants	02910													
Hops	02920													
Other industrial crops: others	02930													
FORAGE PLANTS	03000													
Fodder maize	03100													
Fodder root crops (including forage beet)	03200													
Other forage plants	03900													
VEGETABLES AND HORTICULTURAL PRODUCTS	04000													
Fresh vegetables	04100													
Cauliflower	04110													
Tomatoes	04120													
Other fresh vegetables	04190													
Plants and flowers	04200													
Nursery plants	04210													
Ornamental plants and flowers (including Christmas trees)	04220													
Plantations	04230													
POTATOES	05000													

	Code	DATA USED								ADJUSTMENT	EAA RESULTS			COMMENT
		Quantity		Price		Value at current price		Volume index	Price index		Value for year t-1 at current price	Value for year t at preceding year price	Value for year t at current price	
		Q		P		V		Iv	Ip					
		t-1	t	t-1	t	t-1	t	t/t-1	t/t-1					
FRUITS	06000													
Fresh fruit	06100													
Dessert apples	06110													
Dessert pears	06120													
Peaches	06130													
Other fresh fruit	06190													
Citrus fruits	06200													
Sweet oranges	06210													
Mandarins	06220													
Lemons	06230													
Other citrus fruits	06290													
Tropical fruit	06300													
Grapes	06400													
Dessert grapes	06410													
Other grapes	06490													
Olives	06500													
Table olives	06510													
Other olives	06590													
WINE	07000													
Table wine	07100													
Quality wine	07200													
OLIVE OIL	08000													
OTHER CROP PRODUCTS	09000													
Vegetable materials used primarily for plaiting	09100													
Seeds	09200													
Other crop products: others	09900													
ANIMALS	11000													
Cattle	11100													
Pigs	11200													
Equines	11300													
Sheep and goats	11400													
Poultry	11500													
Other animals	11900													
ANIMAL PRODUCTS	12000													
Milk	12100													
Eggs	12200													
Other animal products	12900													
Raw wool	12910													
Silkworm cocoons	12920													
Other animal products: others	12930													

List of formula symbols

Formula symbol	Designation
Q(t)	Physical quantity for year t
Q(t-1)	Physical quantity for year t-1
P(t)	Price for year t
P(t-1)	Price for year t-1
V(t)	Value at current price for year t
V(t-1)	Value at current price for year t-1
Iv	Index of volume t/t-1
Ip	Index of price t/t-1
Adj()	Adjusted figure

List of methods

Method
$Q(t-1)*P(t-1)$
$Q(t)*P(t-1)$
$Q(t)*P(t)$
V(t-1)
$V(t-1)*Iv$
$V(t-1)*Ip$
$V(t-1)*Iv*Ip$
V(t)
Adj(V(t))

Feel free to add new rows
at the end of the 2 tables if
needed.
Please don't leave empty