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of the United Nations

Guidelines for the measurement of productivity and efficiency in agriculture

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Guidelines for the measurement of productivity and efficiency in agriculture

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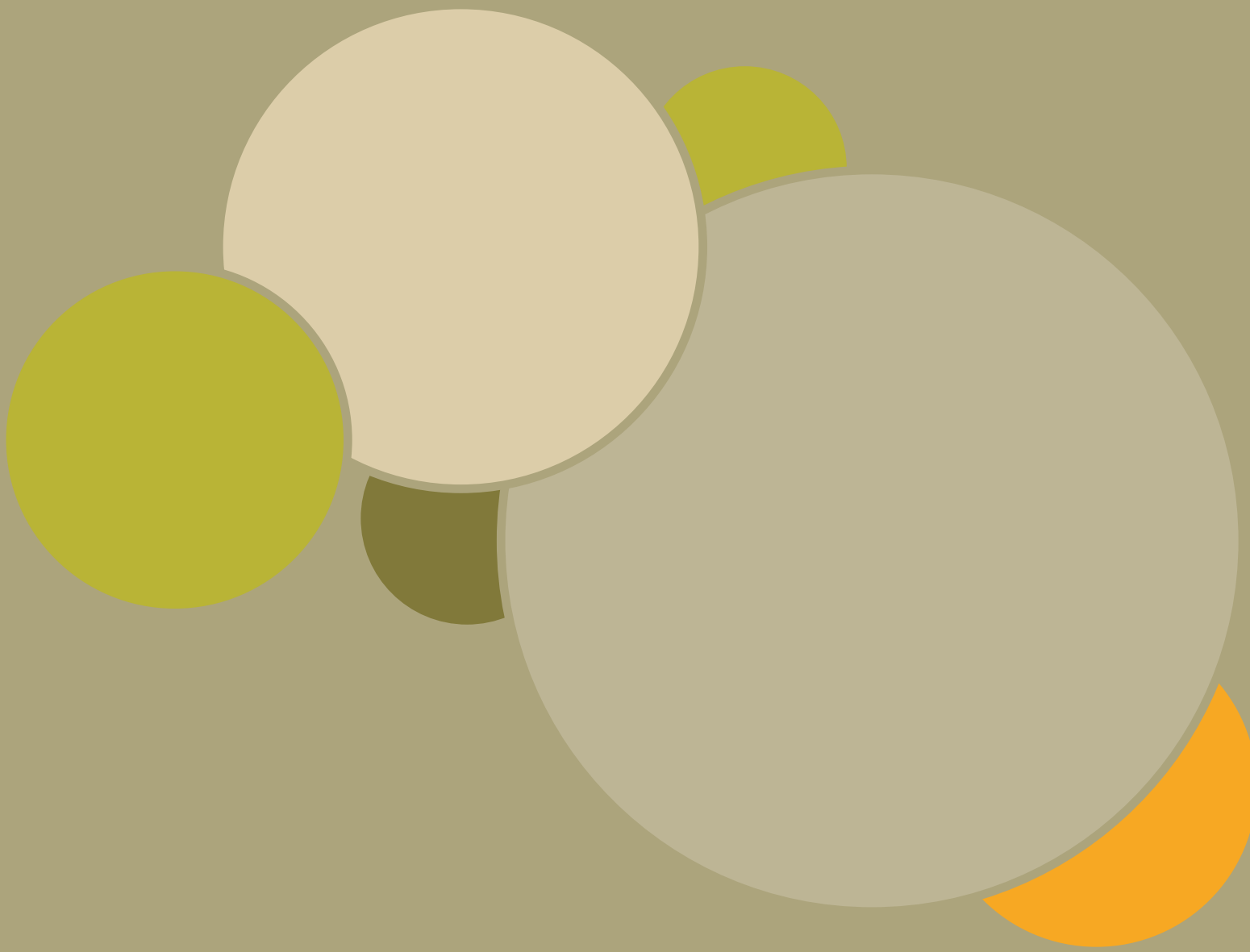

Contents

Figures and tables v
Boxes v
Acronyms vi
Acknowledgements vii

CHAPTER 1
INTRODUCTION 1
1.1. Importance and rationale 1
1.2. Guidelines: objectives, scope and target audience 3
1.3. Major references on productivity measurement 4
1.4. Approach and structure of the Guidelines 5

CHAPTER 2
THE CONCEPTUAL FRAMEWORK AND SCOPE 7
2.1. General definition 7
2.2. Indicators and measurement methods 8
2.2.1. Single-factor productivity 8
2.2.2. Total Factor Productivity 9
2.3. Sources of productivity growth 13
2.3.1. Technical efficiency 13
2.3.2. Economies of scale and marginal input productivity 15
2.3.3. Technological change 16
2.4. Activities 16
2.4.1. Agricultural activities 16
2.4.2. Agricultural industry 17
2.4.3. Commodities 18
2.5. Geographical coverage 19
2.6. Household and non-household sectors 20
2.7. Agricultural output and value added 21
2.7.1. Agricultural output: three possible measures 21
2.7.2. Agricultural value added 22
2.8. Intermediate inputs and factors of production 22
2.8.1. Factors of production 23
2.8.2. Intermediate inputs 25
2.8.3. Quality and compositional changes 25
2.9. Summary of recommendations 27

CHAPTER 3
CHOOSING THE APPROPRIATE INDICATORS 29
3.1. Introduction and overview 29
3.2. Dissemination level 30
3.3. From the basic data to the indicator: the aggregation procedure 31
3.4. Levels and growth rates 33
3.4.1. Levels 34
3.4.2. Growth rates 35
3.5. Choosing from a variety of productivity indicators 35
3.5.1. Single output and single input 36
3.5.2. Multiple outputs and single input 38
3.5.3. Single output and multiple inputs 40
3.5.4. Multiple outputs and multiple inputs 41
3.6. Summary of recommendations 43

CHAPTER 4
COLLECTING DATA FOR PRODUCTIVITY MEASUREMENT 45
4.1. Introduction and overview 45
4.2. Agricultural output 46
4.2.1. Measurement principles 46
4.2.2. Crops 47
4.2.3. Livestock 48
4.3. Intermediate inputs 49
4.3.1. For crops 49
4.3.2. For livestock 51
4.3.3. Overhead costs 52
4.4. Factors of production 52
4.4.1. Labour 52
4.4.2. Land 56
4.4.3. Fixed assets 58
4.5. Working with aggregated time series 61
4.6. Data sources and consistency 63
4.7. Summary of recommendations 66

CONCLUSIONS 67

REFERENCES 68

Figures and tables

Figure 1. Technical efficiency, technical change and production frontier. 14
Figure 2. Returns to scale in agriculture. 15
Figure 3. Agricultural industry and production. 17
Figure 4. Share of labour costs in total costs of production for maize in Zambia (for a 50-kg bag). 23
Figure 5. Possible data sources for the compilation of agricultural productivity. 32
Figure 6. Agriculture TFP change, by region (2001–2014). 34
Figure 7. From single-factor productivity to TFP: increasing data requirements. 35
Figure 8. Return to labour for corn production in the USA (by region, 2016). 37
Figure 9. Returns to labour in the agricultural sector in the European Union (Index, 2005=100). 39
Figure 10. Change in MFP in the agricultural sector (Italy, in percentages). 42
Figure 11. Cost structure for different agricultural commodities (Philippines, in percentages). 53
Figure 12. Imputation procedure for wages of family labour – an illustration from a pilot study in Zambia (2018). 55
Figure 13. Extract from the section on farm assets of the Zambian Post-Harvest Questionnaire. 60

Table 1. Returns to factors of production for milk in the USA. 40

Boxes

Box 1. Agricultural productivity: a general definition. 7
Box 2. Measuring TFP growth using the growth accounting method. 10
Box 3. Measuring TFP growth using the stochastic production frontier method. 11
Box 4. Accounting for changes in input quality: an illustration. 26
Box 5. Summary of recommendations. 27
Box 6. Invariance of the indicators to the aggregation procedure. 31
Box 7. Summary of recommendations. 43
Box 8. Summary of recommendations. 66

Acronyms

AEAA	Agricultural and Applied Economics Association
AGRIS	Agricultural Integrated Survey
ARMS	Agricultural Resource Management Survey
CIM	Current Inventory Method
DEA	Data Envelopment Analysis
ERS	Economic Research Service
EUROSTAT	European Statistical Office
EU	European Union
FAO	Food and Agriculture Organization of the United Nations
GDP	Gross Domestic Product
GSARS	Global Strategy to improve Agricultural and Rural Statistics
IAP	International Agricultural Productivity
ISIC	International Standard Industrial Classification
MFP	Multifactor Productivity
NGO	Non-Governmental Organization
NSO	National Statistical Office
OECD	Organization for Economic Co-operation and Development
PIM	Perpetual Inventory Method
USD	United States Dollar
USDA	United States Department of Agriculture
SDG	Sustainable Development Goal
SNA	System of National Accounts
TFP	Total Factor Productivity

Acknowledgments

These Guidelines are the result of a research project undertaken within the Global Strategy to improve Agricultural and Rural Statistics (GSARS), a statistical capacity-building initiative whose Global Office is hosted by the Statistics Division of Food and Agriculture Organization of United Nations (FAO). The Guidelines build upon methodologies presented in papers, technical reports and manuals published by FAO and other organizations. They also build on the findings of technical assistance activities conducted in developing countries, especially in sub-Saharan Africa, where data collection tools have been designed and tested. These Guidelines provide recommendations on the measurement of agricultural productivity, with an emphasis on developing countries.

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As the approaches recommended in these Guidelines are tested and implemented in an increasing number of countries, the need will arise to update, enhance or revise the methodologies and measurement frameworks. To this end, we invite the users of these Guidelines to communicate any suggestions they may have to GSARS, for

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