Agricultural Production Economics (Second Edition, 2012)

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Agricultural Production Economics (Second Edition, Amazon Createspace 2012) is a revised edition of the Textbook Agricultural Production Economics published by Macmillan in 1986 (ISBN 0-02-328060-3). This is intended primarily for adoption at the beginning graduate level although a few institutions are using this also at the upper-division undergraduate level.

Agricultural Production Economics is available as a **FREE** e-download at http://purl.umn.edu/158319 or in paper copy at amazon.com and at other book etailers under the ISBN numbers

ISBN-13 978-1469960647
ISBN-10 1469960648

The format and coverage remains similar to the first edition, many small revisions and updates have been made. All graphs have been redrawn using the latest in computer imaging technology. The book contains a comprehensive treatment of the traditional agricultural production economics topics employing both detailed graphics and differential calculus. The text focuses on the neoclassical factor-product, factor-factor and product-product models, and is suitable for an advanced undergraduate or a beginning graduate-level course in static production economics. Chapters also deal with linear programming, risk and uncertainty and intertemporal resource allocation. A basic knowledge of differential calculus is assumed. Individual chapters are largely self-contained, and the book is suitable for instruction at a variety of levels depending on the specific needs of the instructor and the mathematics background of the students.

Amazon also has bound print copies of the book at amazon.com at a nominal price (about $19) for classroom use. Again, students can download the file but I recommend the paper copy for serious study.

http://www.amazon.com/Agricultural-Production-Economics-Second-Edition/dp/1469960648/ref=sr_1_1?ie=UTF8&qid=1390834585&sr=8-1&keywords=debertin

The 428 pp. book can also be ordered through college bookstores using the following ISBN numbers:

ISBN-13 978-1469960647
ISBN-10 1469960648

A companion 100-page color book Agricultural Production Economics (The Art of Production Theory) is also a free pdf download at http://purl.umn.edu/158320

For instructors who want a color Powerpoint version of all of these figures from Agricultural Production Economics for display in the classroom, this link provides a free electronic download to all of them in ppt format

http://www.uky.edu/~deberti/colorbookppt.ppt

A bound 100-pp. print copy is also available on amazon.com and at other book retailers at a nominal cost (about $25). Here is the Amazon link:

http://www.amazon.com/Agricultural-Production-Economics-The-Theory/dp/1470129264/ref=sr_1_2?ie=UTF8&qid=1390834585&sr=8-2&keywords=debertin

The companion book can also be ordered through bookstores under the following ISBN numbers:

ISBN- 13: 978-1470129262
ISBN- 10: 1470129264

The third book is aimed at upper-division undergraduate students of microeconomics in agricultural economics and economics. It is a 242-page book

titled *Applied Microeconomics* (*Consumption, Production and Markets*) and is a free download. Bound print copies are also available at amazon.com and through college bookstores at a nominal cost under the following ISBN numbers:

ISBN-13: 978-1475244342
ISBN-10: 1475244347

This book *Applied Microeconomics* is much newer than *Agricultural Production Economics*, having been completed in 2012. As the author, I would suggest downloading and studying this *Applied Microeconomics* book *before* diving into *Agricultural Production Economics*. This book uses spreadsheets to calculate numbers and draw graphs. Many of the examples and numbers are the same ones used in Agricultural Production Economics, so the two books are tied to each other. This is a microeconomic theory book designed for upper-division undergraduate students in economics and agricultural economics. A free pdf download of the entire book at download at
http://purl.umn.edu/158321

Amazon markets bound print copies of the book at amazon.com at a nominal price (about $25) for classroom use.
http://www.amazon.com/Applied-Microeconomics-Consumption-Production-Markets/dp/1475244347/ref=sr_1_5?ie=UTF8&qid=1390834118&sr=8-5&keywords=debertin

The book can also be ordered through any other bookstore using the following ISBN numbers:

ISBN-13: 978-1475244342
ISBN-10: 1475244347

For more information and other downloads connected to this book, go to http://www.uky.edu/~deberti/am/am.htm

Papers, spreadsheets and other files connected to *Agricultural Production Economics Second Edition*:

The article that started it all:

"Developing Realistic Production Functions for Use in Undergraduate Classes." *S. Journ. Agr. Econ* 17:2, 1985, 207-214.
free download at http://purl.umn.edu/29983

This article was written prior to the 1986 edition of the book. The SAS code in this article still works with only minor changes. If you want to do the same thing using a spreadsheet, download

http://www.uky.edu/~deberti/ap/SJAE.xlsx

Matrix multiplication and inversion in spreadsheets (used in 1985 article)

http://www.uky.edu/~deberti/ap/mat.xlsx

Simple MPP and APP using basic model from 1985 article

http://www.uky.edu/~deberti/ap/mppapp.xlsx

Basic single input production spreadsheet

http://www.uky.edu/~deberti/ap/single.xlsx

Complete single input production spreadsheet

http://www.uky.edu/~deberti/ap/main.xlsx

Deriving AC and MC curves

http://www.uky.edu/~deberti/ap/acmccurves.xlsx

Single-input profit from the input and output side

http://www.uky.edu/~deberti/ap/profitinputoutput.xls

Production and cost simple power production function

http://www.uky.edu/~deberti/ap/prodcostpower.xlsx

Basic Production and Cost

http://www.uky.edu/~deberti/ap/prodcost.xlsx

Figure 5.1 from text

http://www.uky.edu/~deberti/ap/fig51.xlsx

General program for doing unconstrained max, min and saddles

http://www.uky.edu/~deberti/ap/unconstrainedg.xlsx

Minimum

http://www.uky.edu/~deberti/ap/min.xlsx

Maximum

http://www.uky.edu/~deberti/ap/max.xlsx

Saddle without cross term

http://www.uky.edu/~deberti/ap/saddle.xlsx

Saddle point with cross term

http://www.uky.edu/~deberti/ap/saddle1.xlsx

Bradfordian polynomial

http://www.uky.edu/~deberti/ap/poly.xlsx

Polynomial production function from “journ”

http://www.uky.edu/~deberti/ap/journ3d.xlsx

Polynomial production function from “journ” version 2

http://www.uky.edu/~deberti/ap/journ3D2.xlsx

Basic 3D profit

http://www.uky.edu/~deberti/ap/basic3Dprofit.xlsx

Pseudo scale line drawing in XLSX file (ignore circular reference)

http://www.uky.edu/~deberti/ap/pslinesa.xlsx

Cobb Douglas with pseudo scale lines

http://www.uky.edu/~deberti/ap/cdpseudo.xlsx

Small LP from book solved on spreadsheet

http://www.uky.edu/~deberti/ap/lpsimple.xlsx

Harvard Graphics (now Powerpoint) software featured in "An Animated Instructional Model for Teaching Production Economics with computer Graphics. Am. Jour. Agr. Econ. 1993, May, 1993. 485-491

http://www.uky.edu/~deberti/ap/journ.ppt

A basic 3D graphics program in SAS. Copy and paste each program into PC SAS editor, then run

http://www.uky.edu/~deberti/ap/graph10.txt

1985 SJAE article SAS code edited

http://www.uky.edu/~deberti/ap/SJAESAS.txt

For more Information on the book Applied Microeconomics and downloads go to

http://www.uky.edu/~deberti/am/am.htm

For more information on the book and downloads of Economics of Food and Agriculture go to

http://www.uky.edu/~deberti/efa/efa.htm